

FIG.1

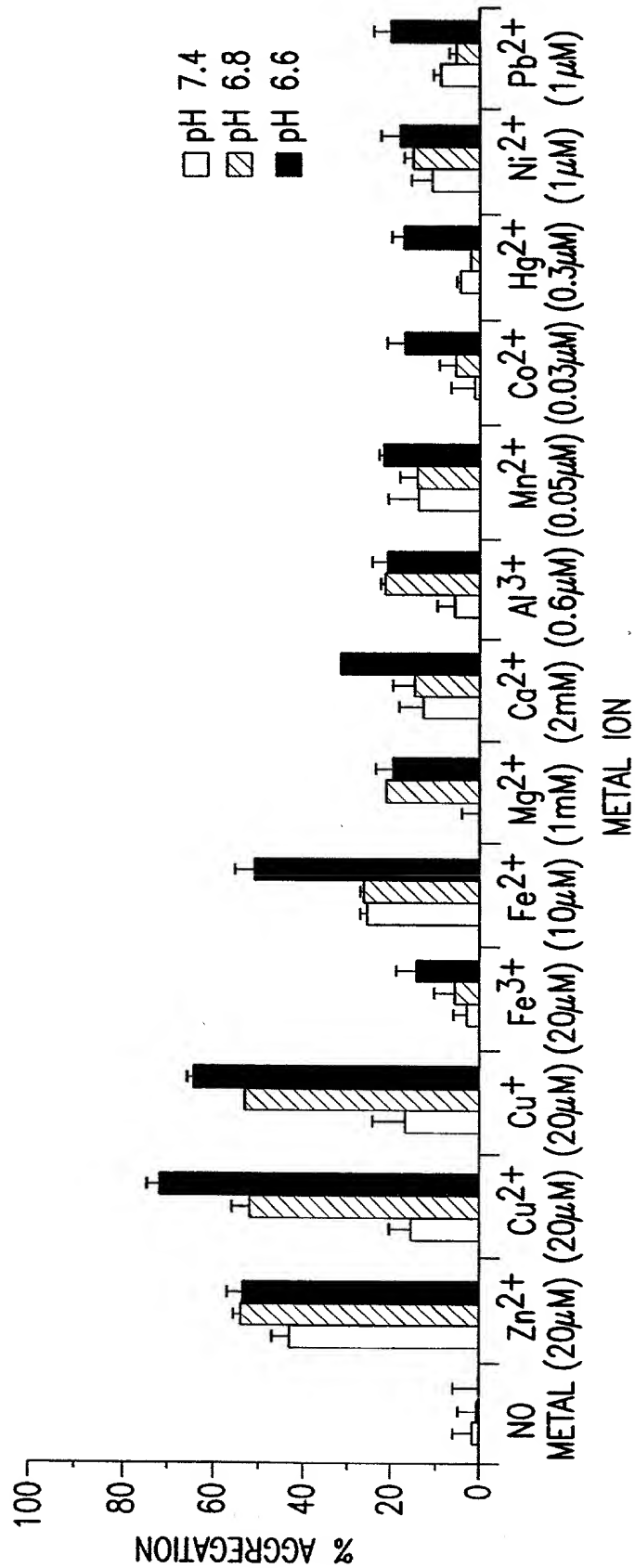


FIG. 2A

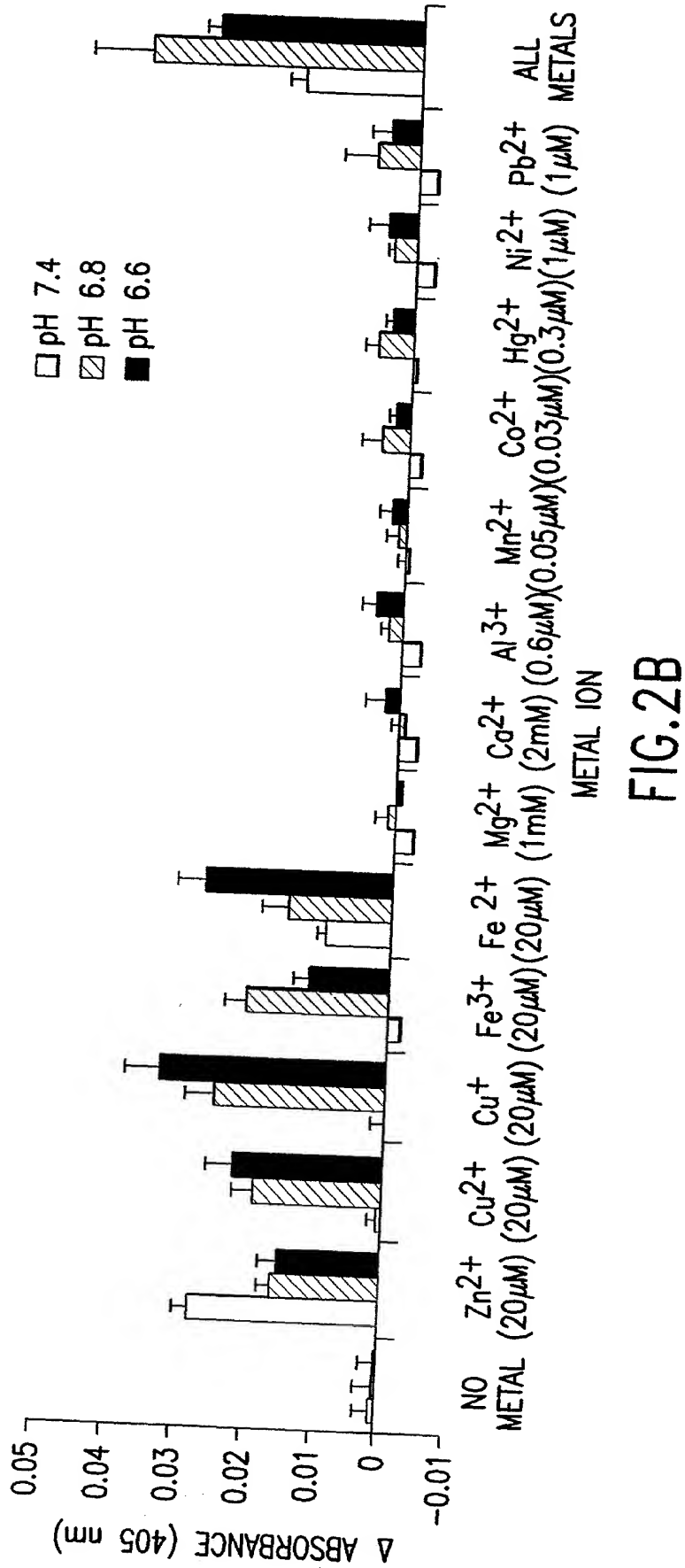


FIG.2B

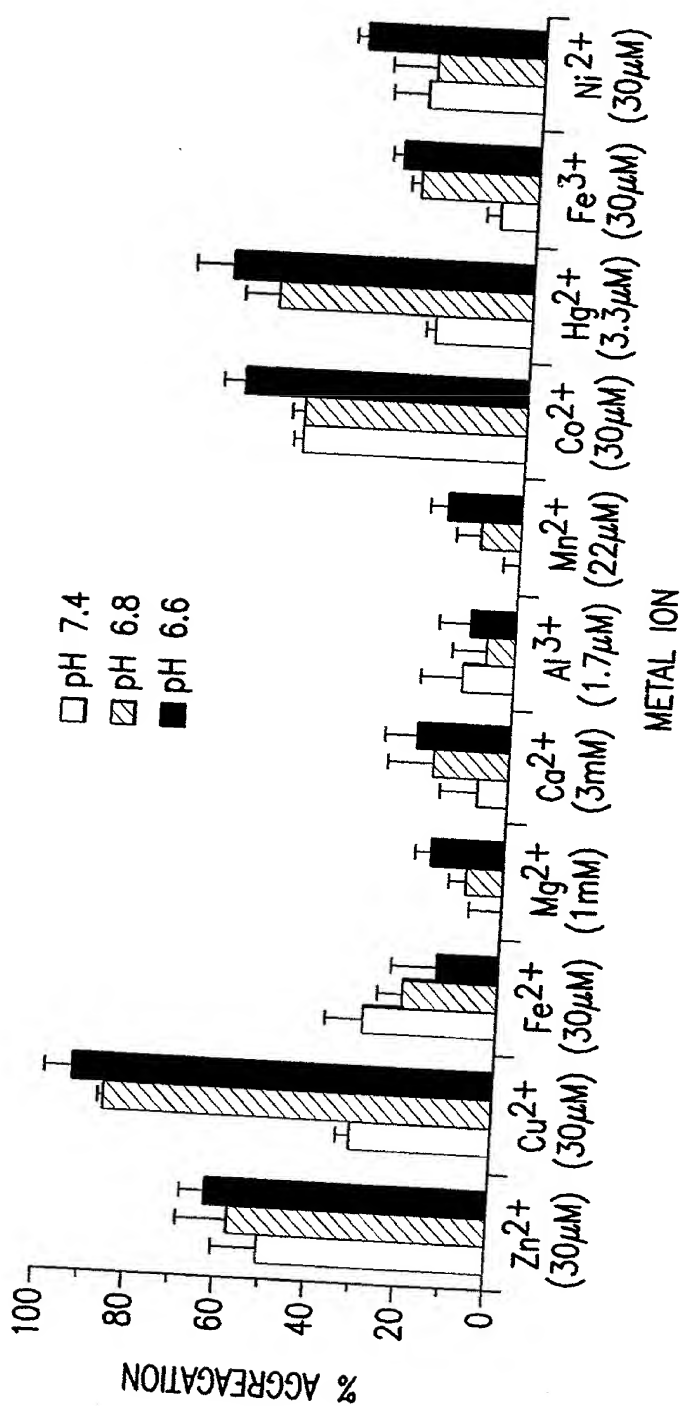


FIG.2C

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

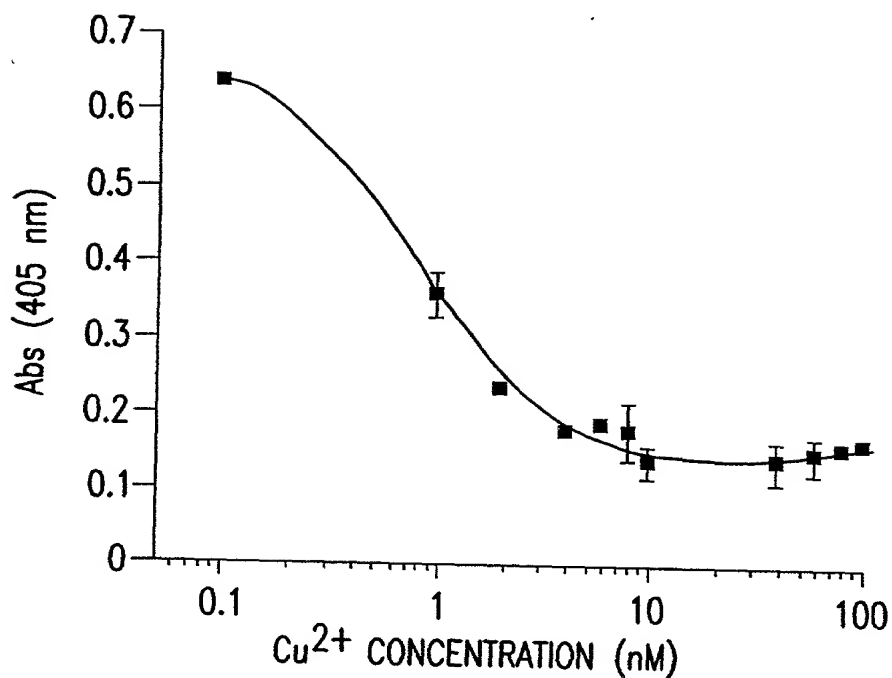


FIG.3

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

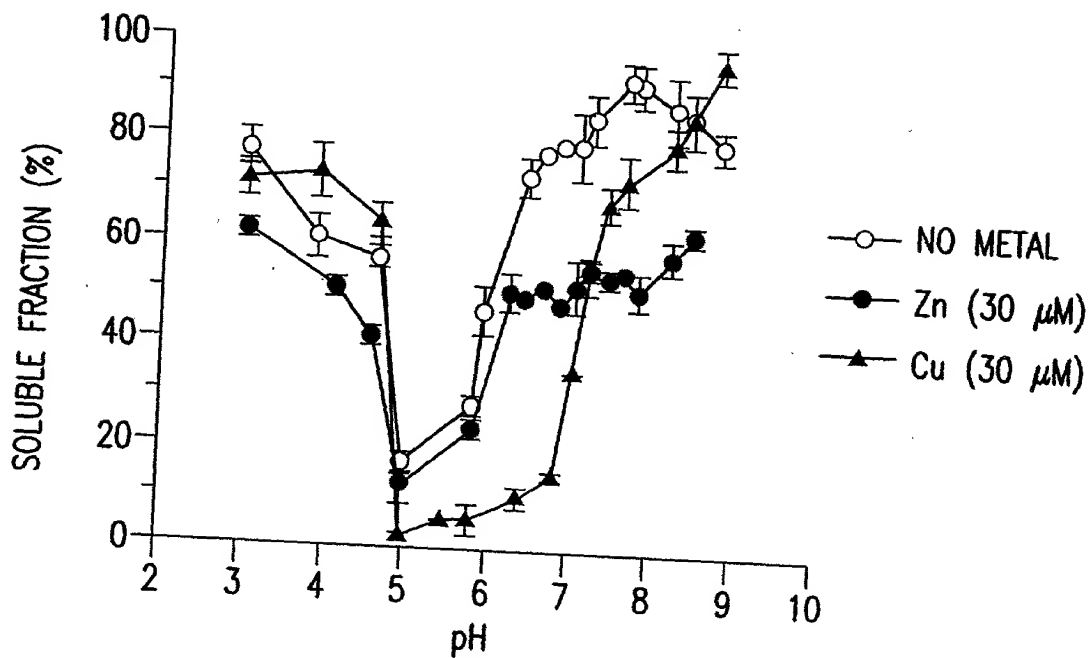


FIG. 4A

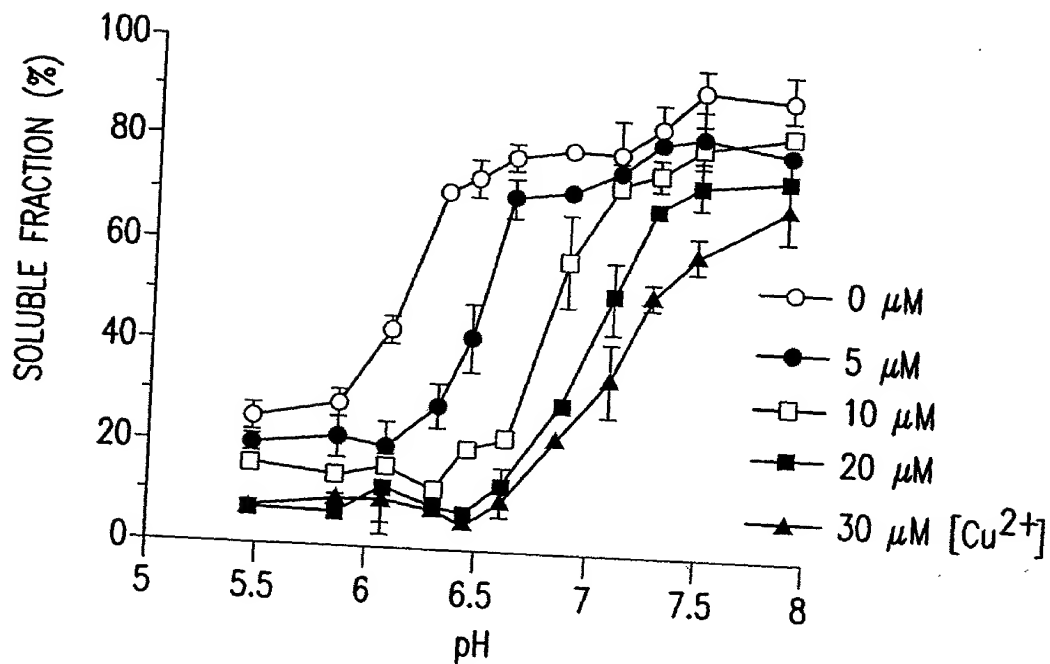


FIG. 4B

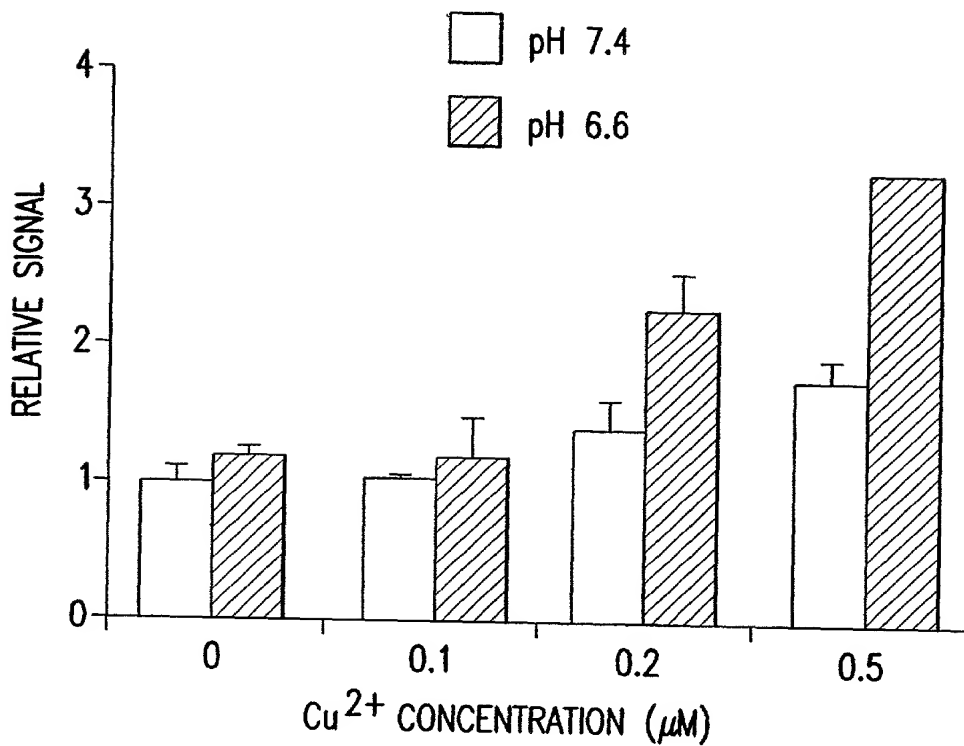


FIG.4C

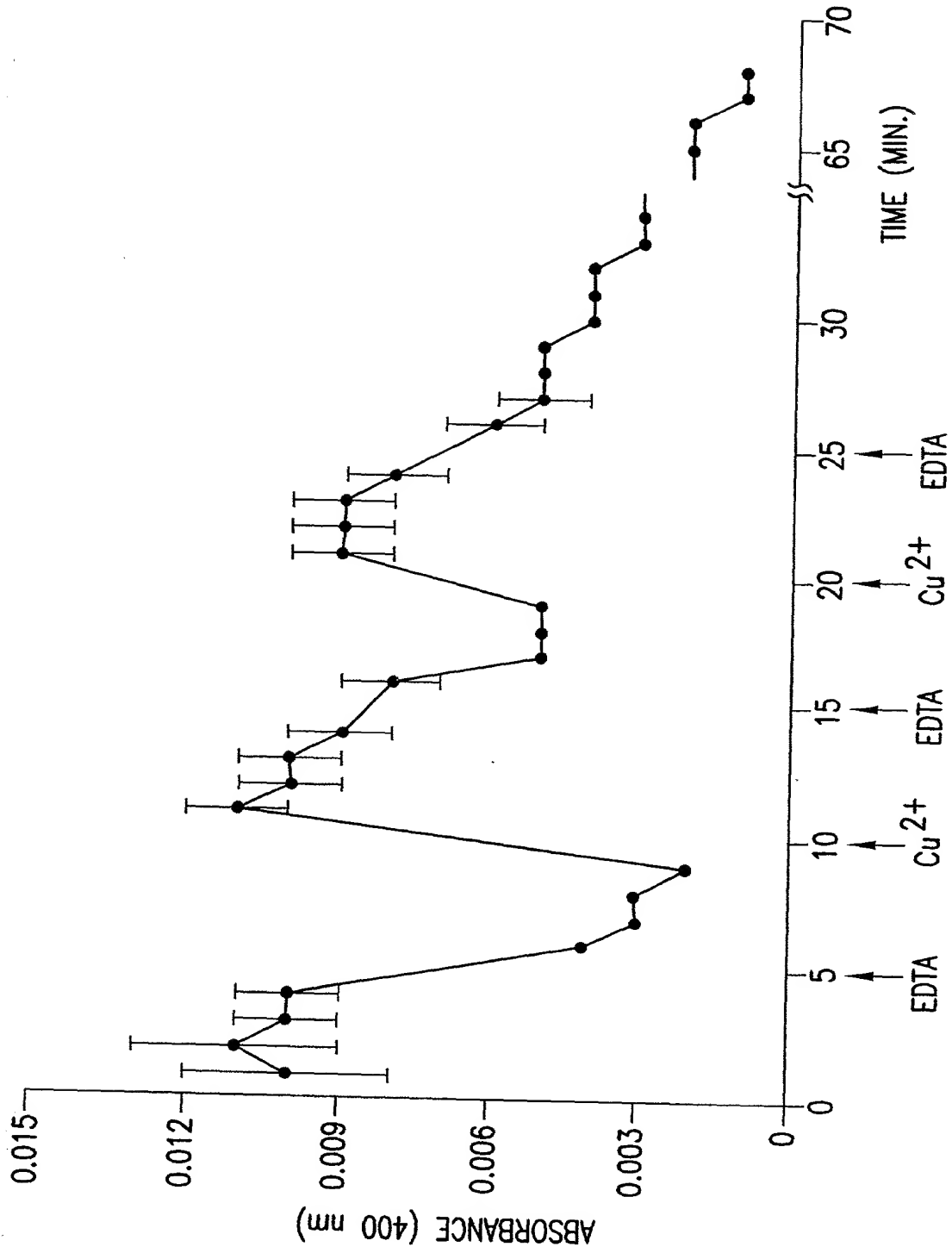


FIG.5A



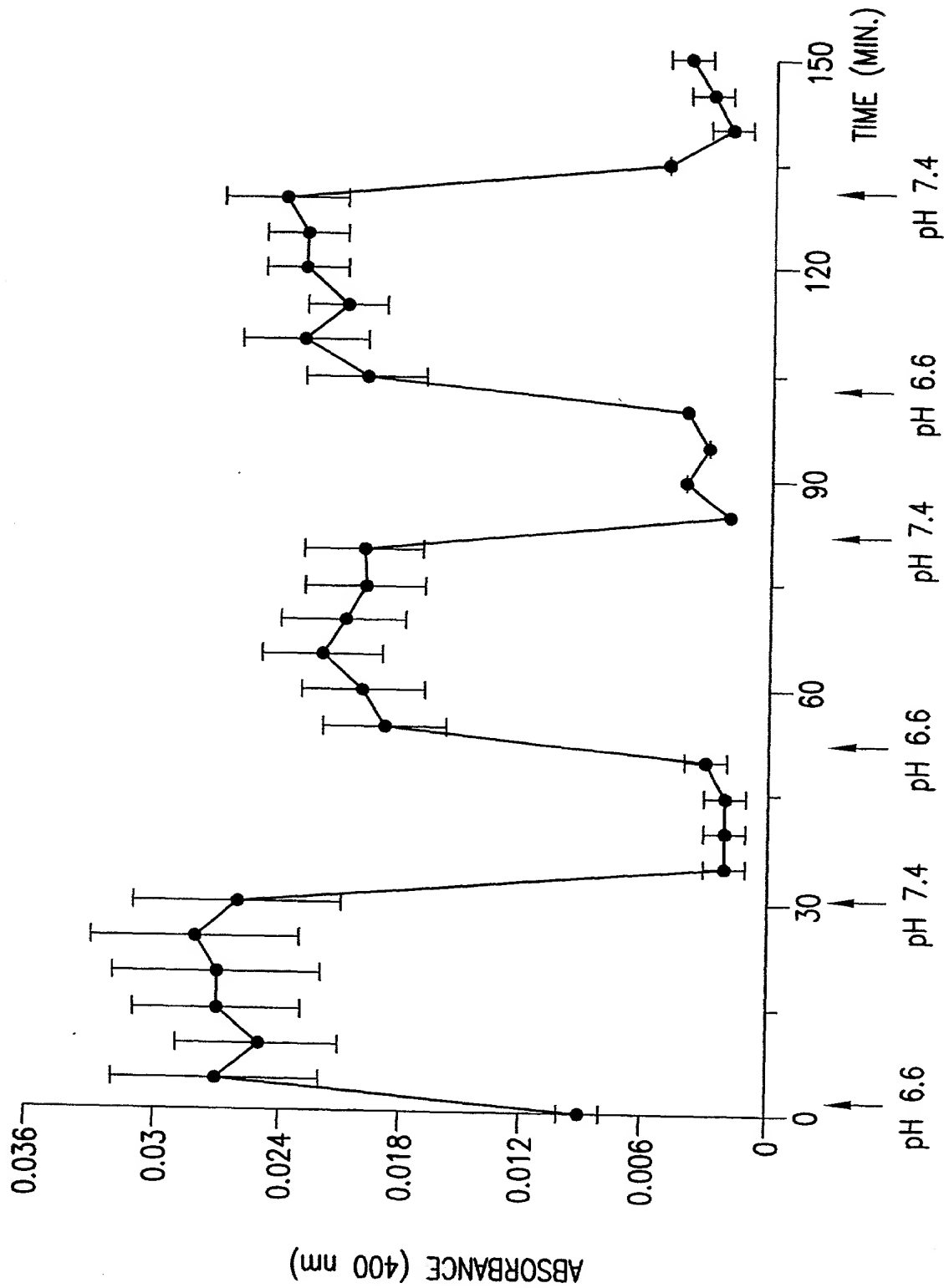


FIG.5B

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al* ; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

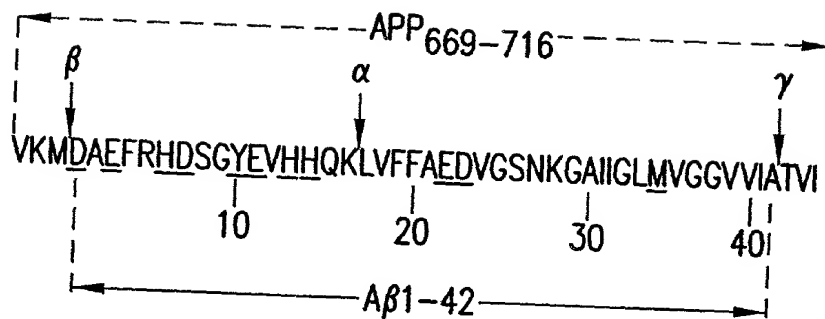


FIG.6

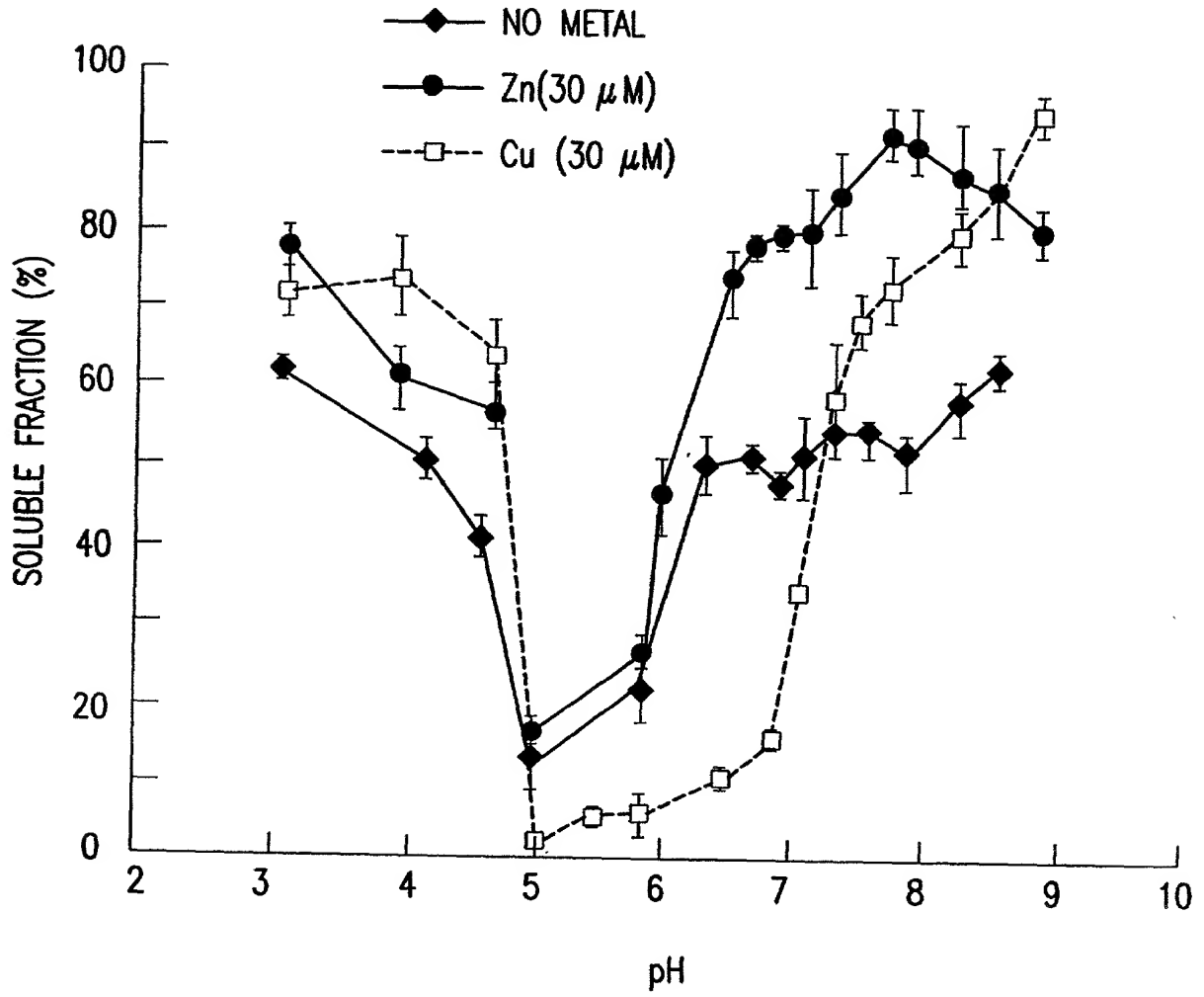


FIG.7

Appl. No. 09/956,980; Group Art Unit: 1614  
Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
Inventor(s): Bush *et al.*; Tel: 202/371-2600  
Title: Agents for Use in the Treatment of Alzheimer's Disease

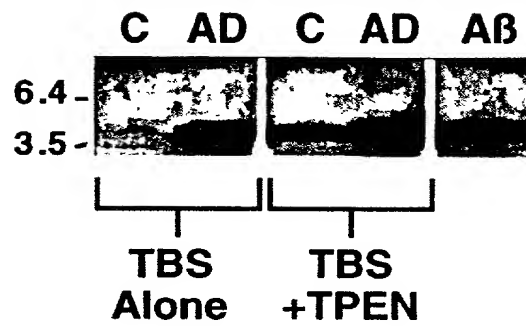


FIG.8

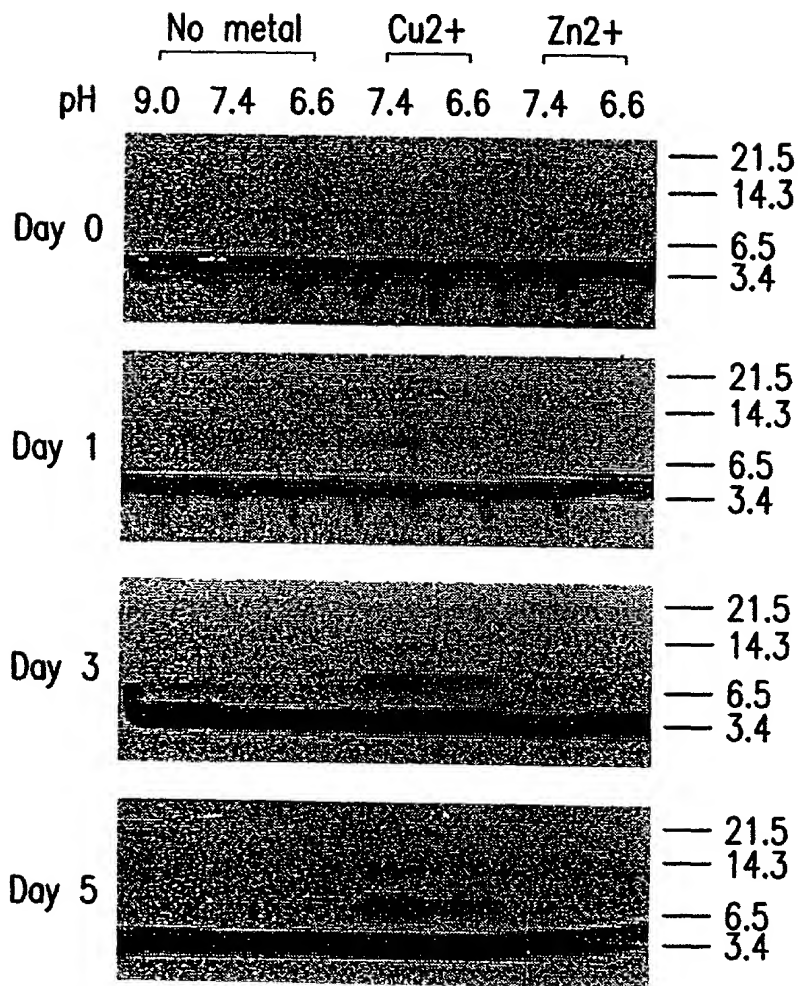


FIG.9

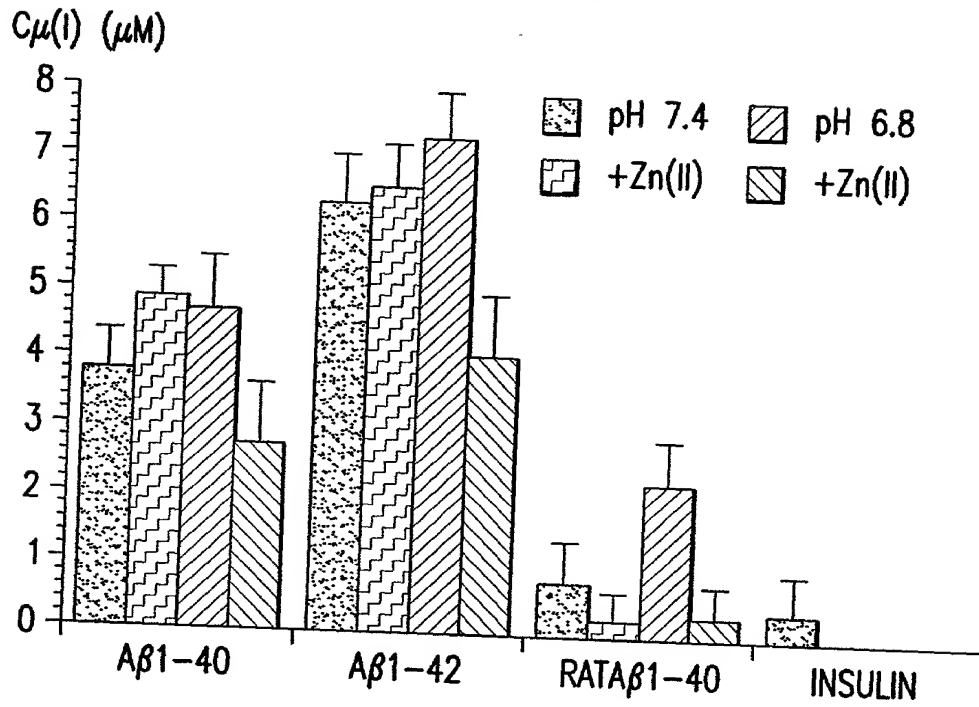


FIG.10

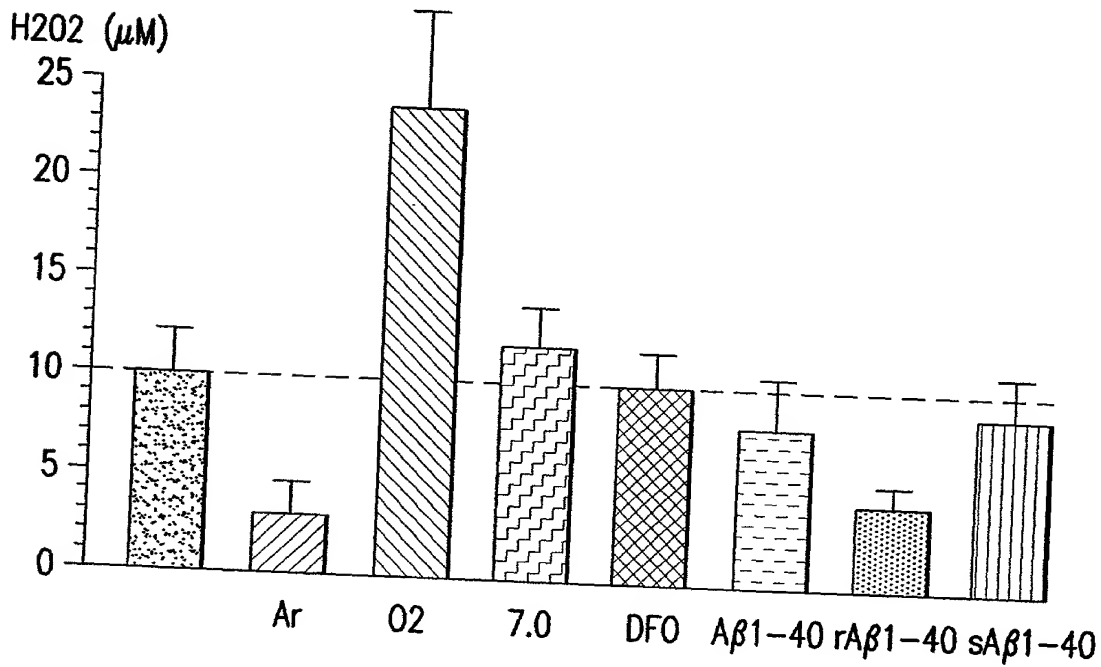


FIG.11

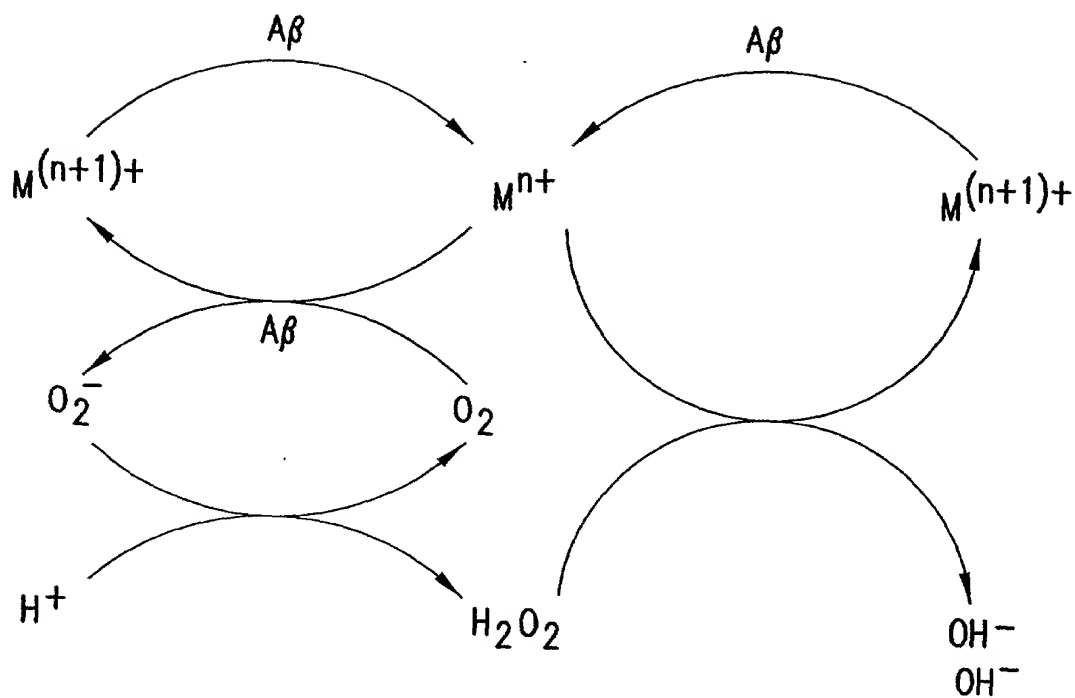


FIG.12

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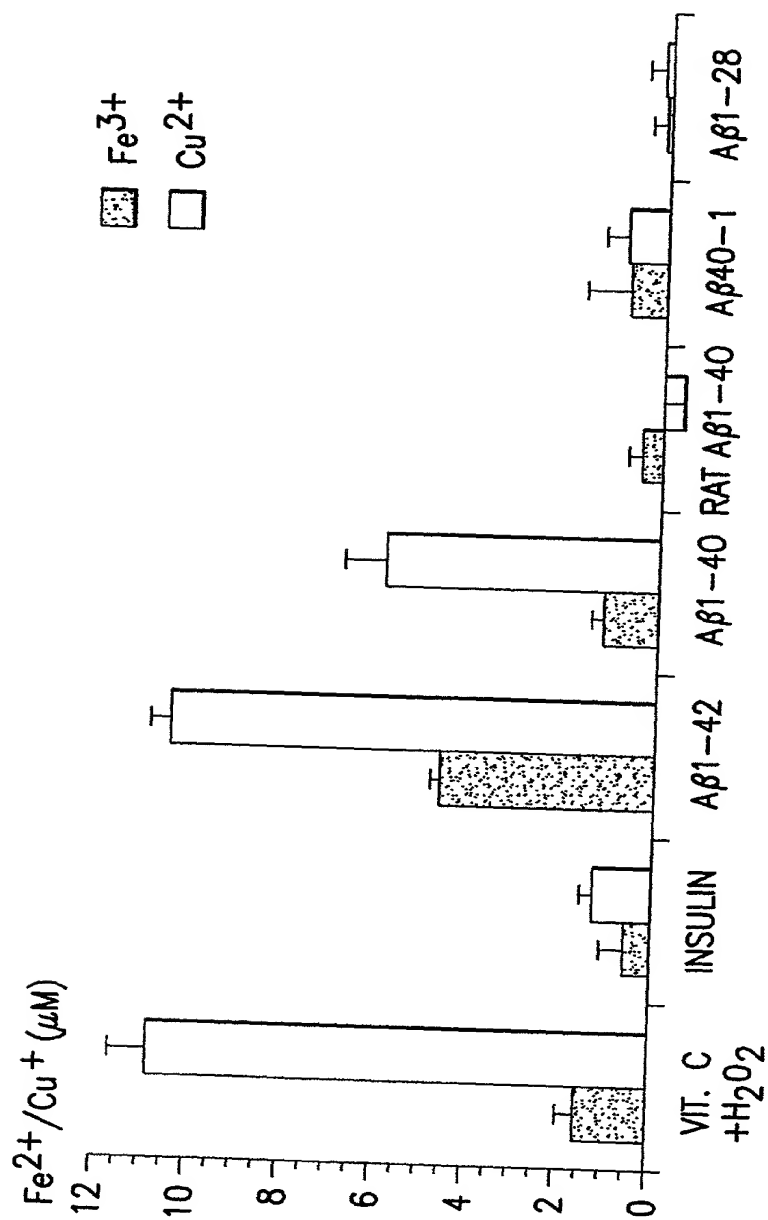


FIG.13A



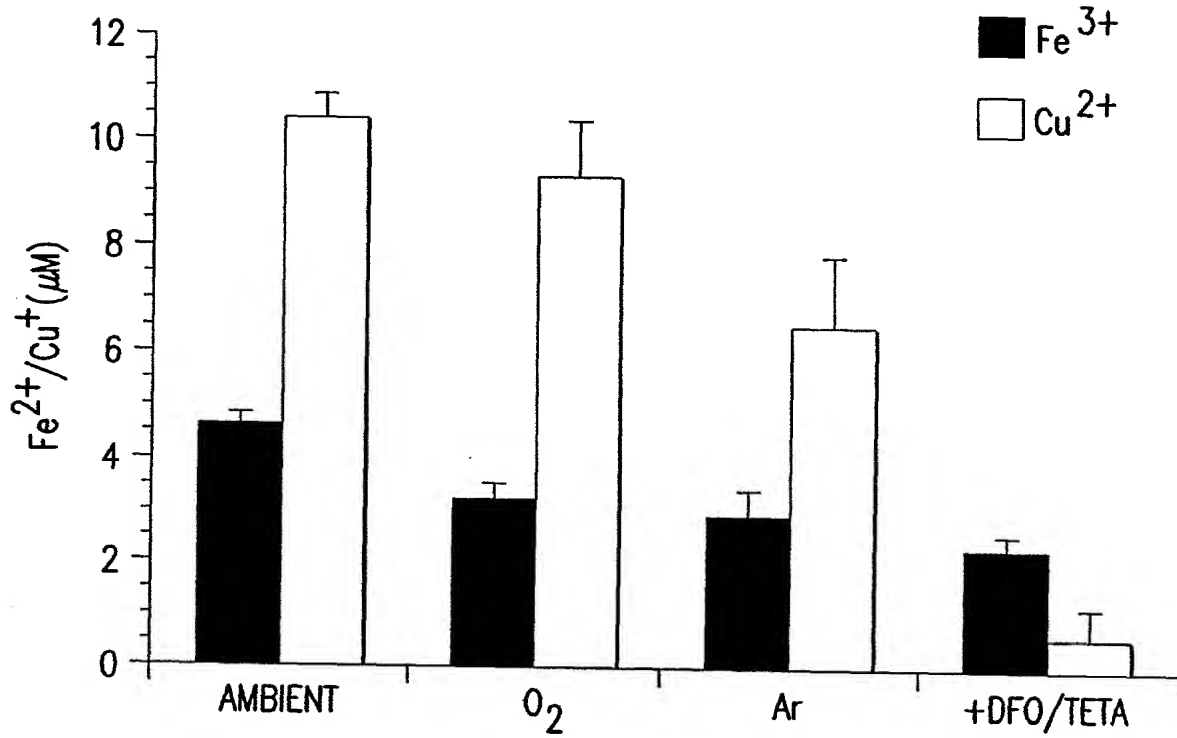


FIG. 13B

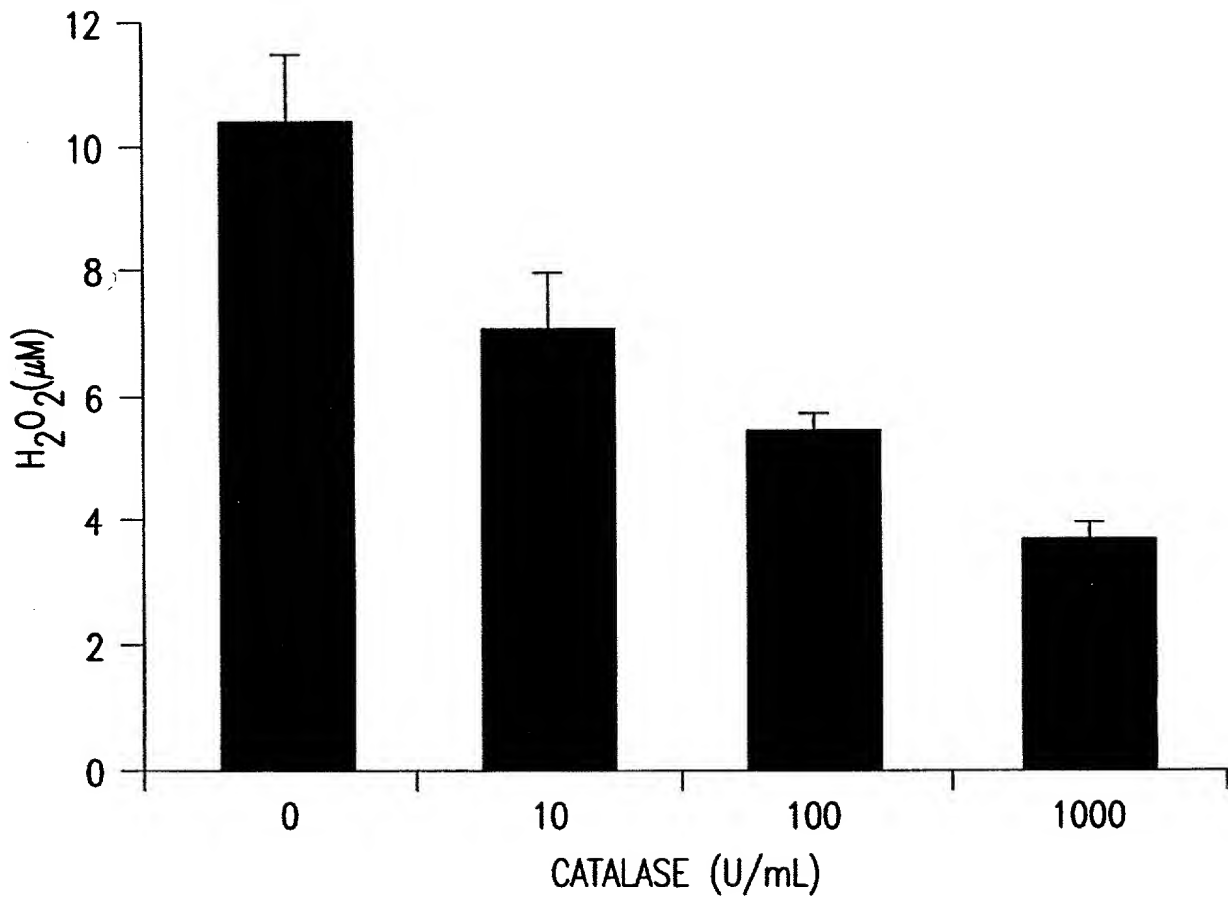


FIG. 14A

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

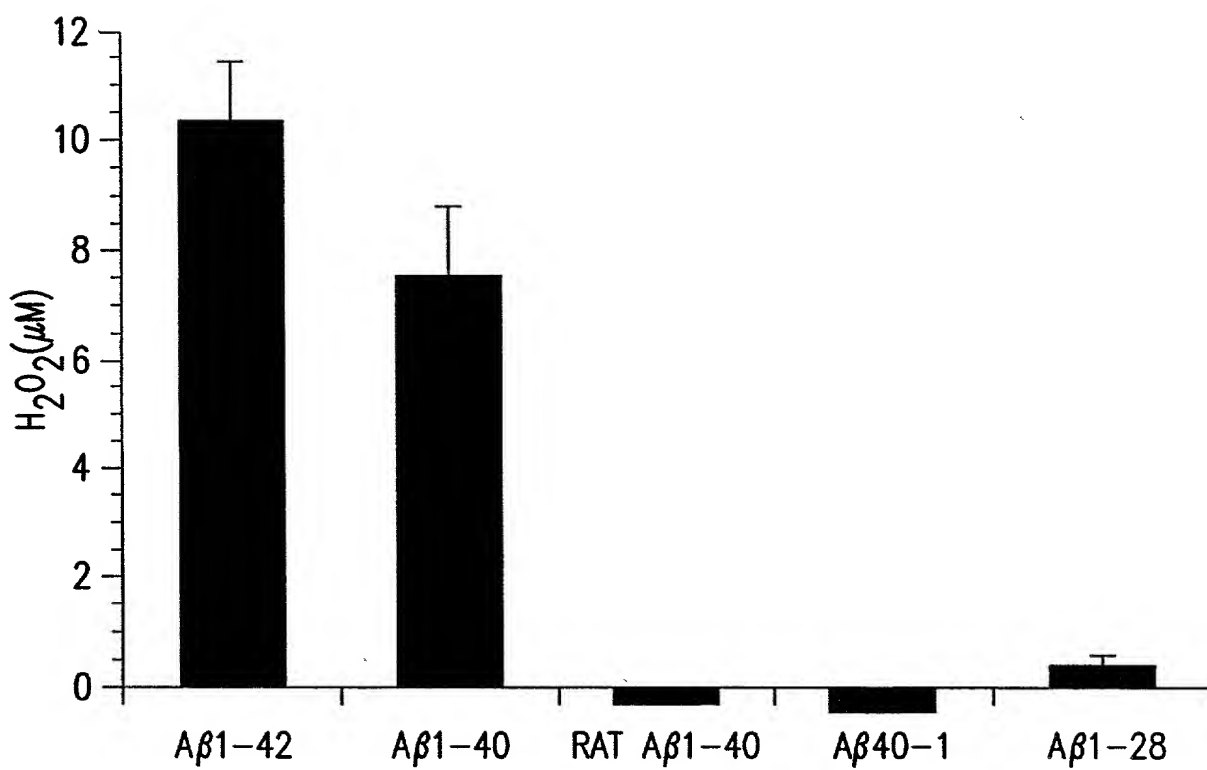


FIG. 14B

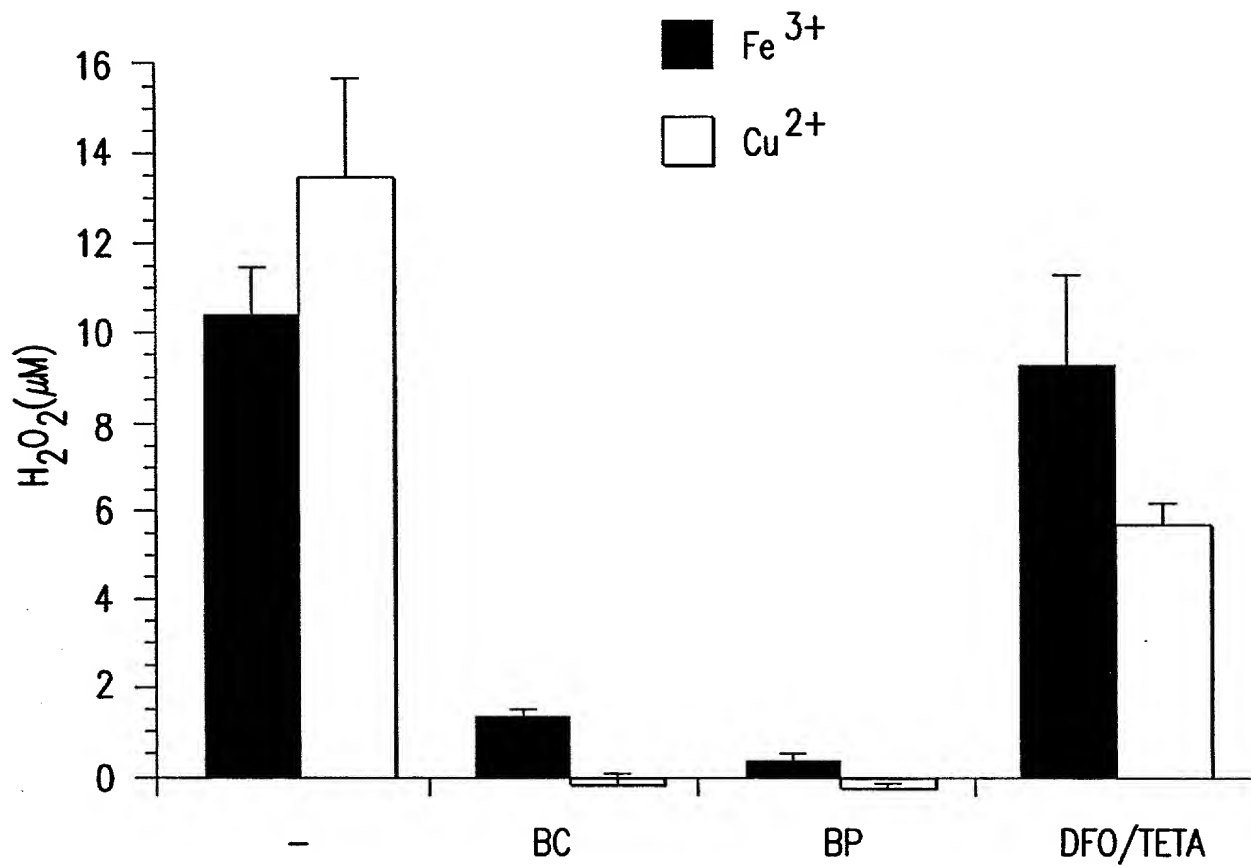


FIG. 14C

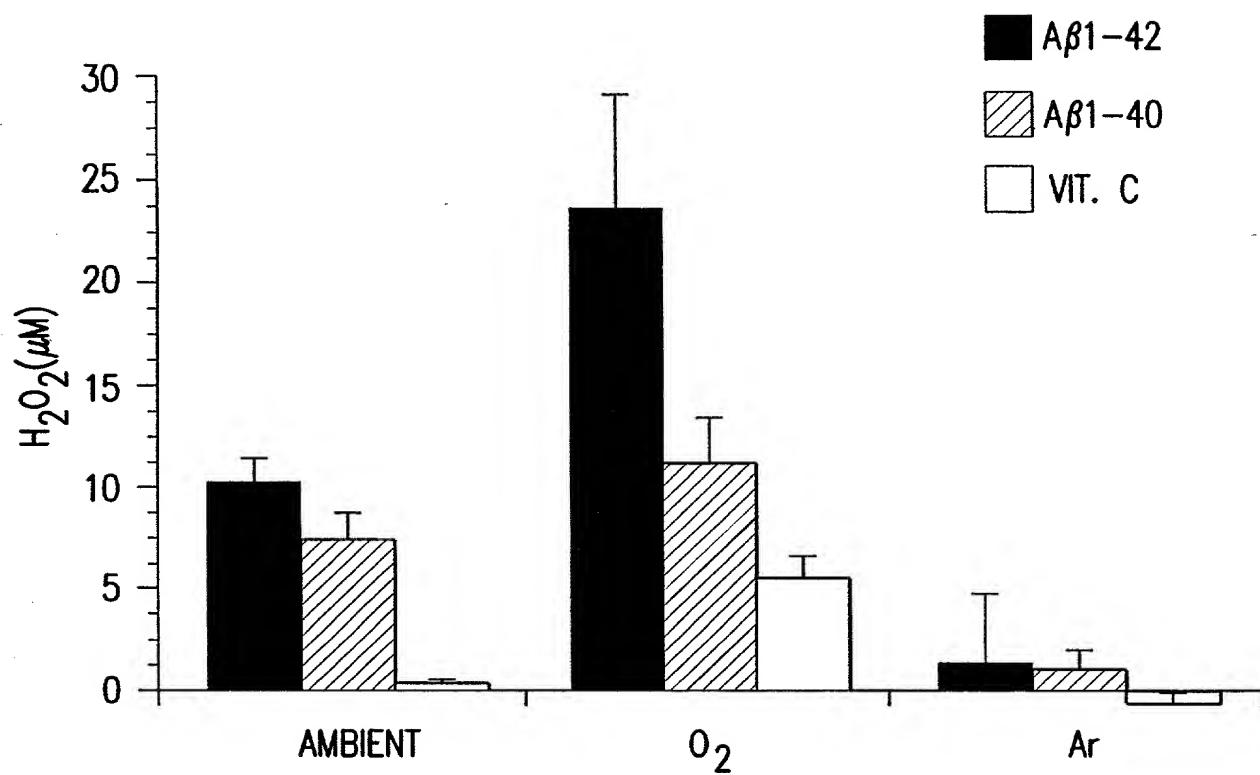


FIG. 14D

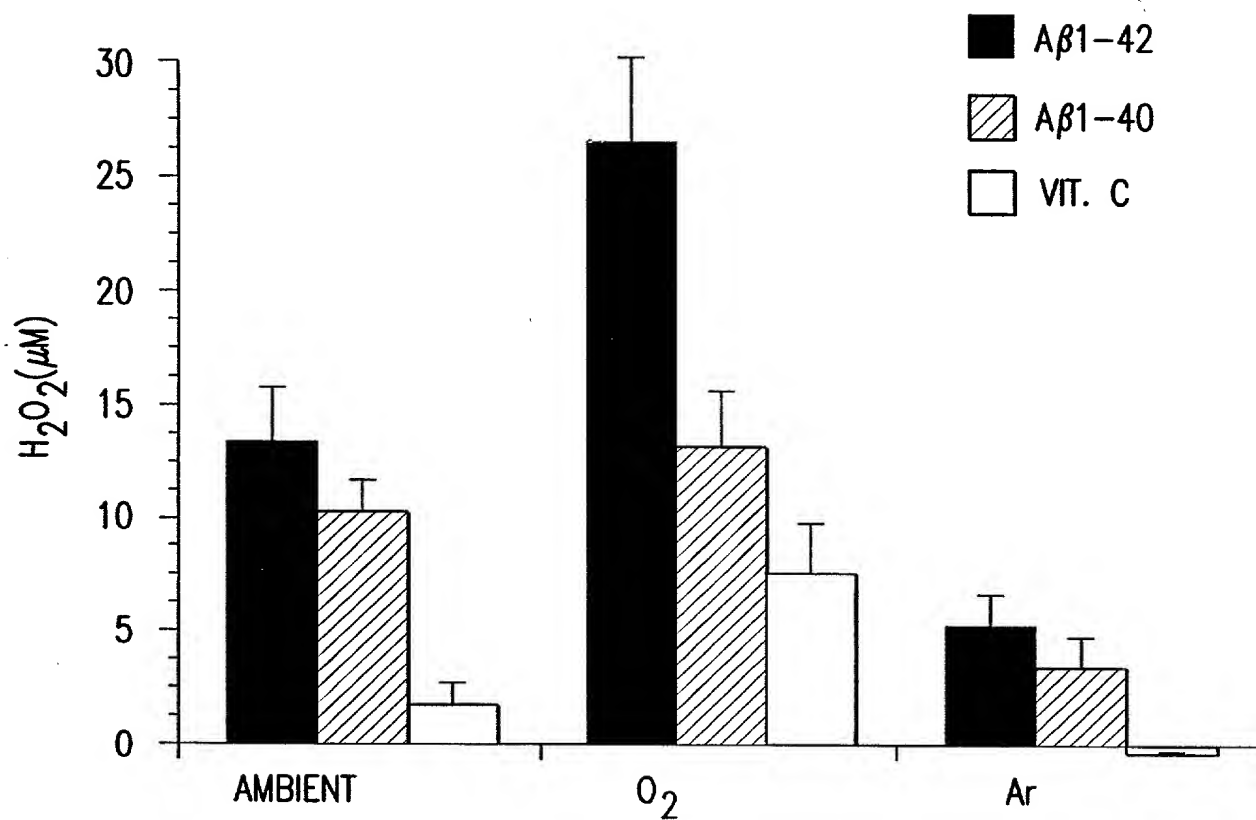


FIG. 14E

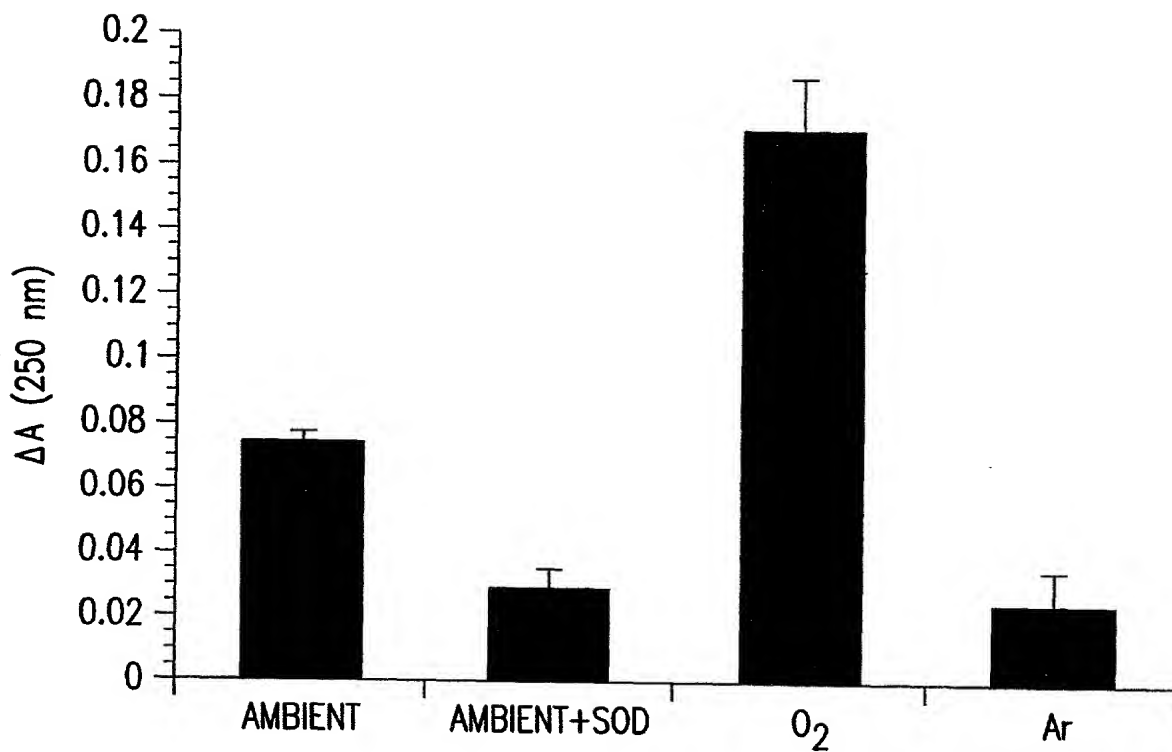


FIG. 15A

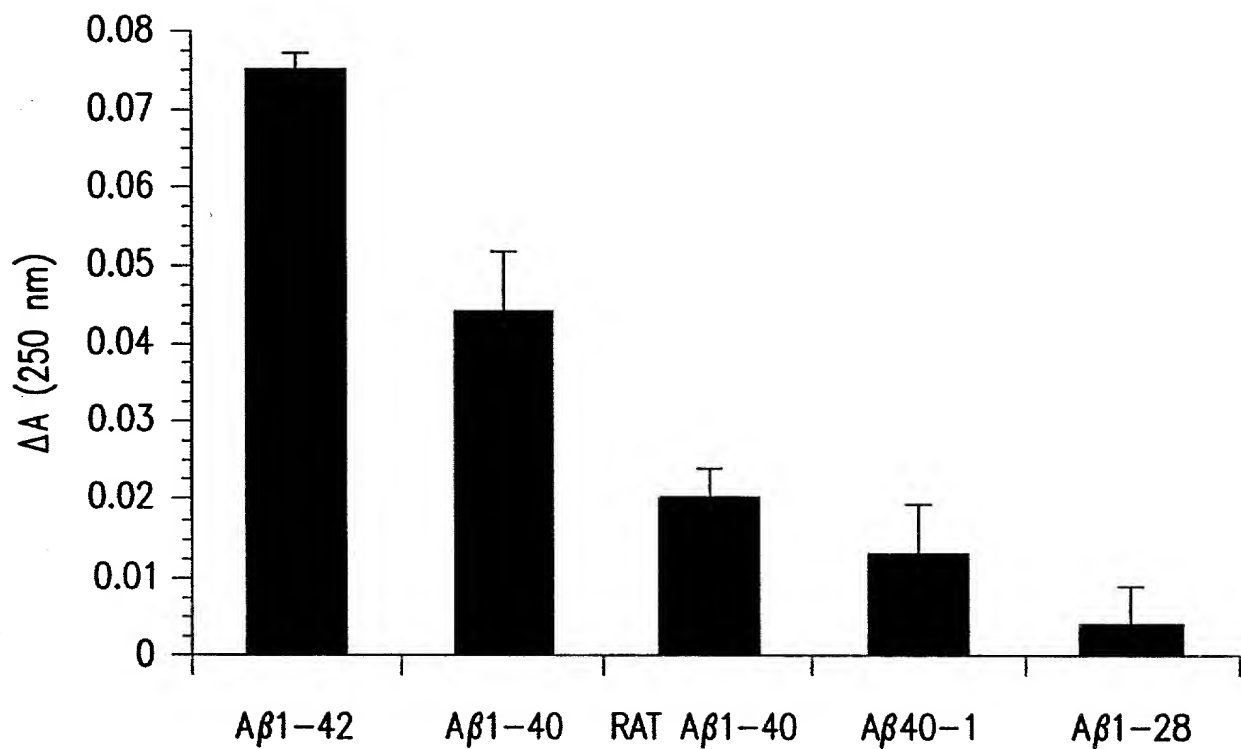


FIG. 15B



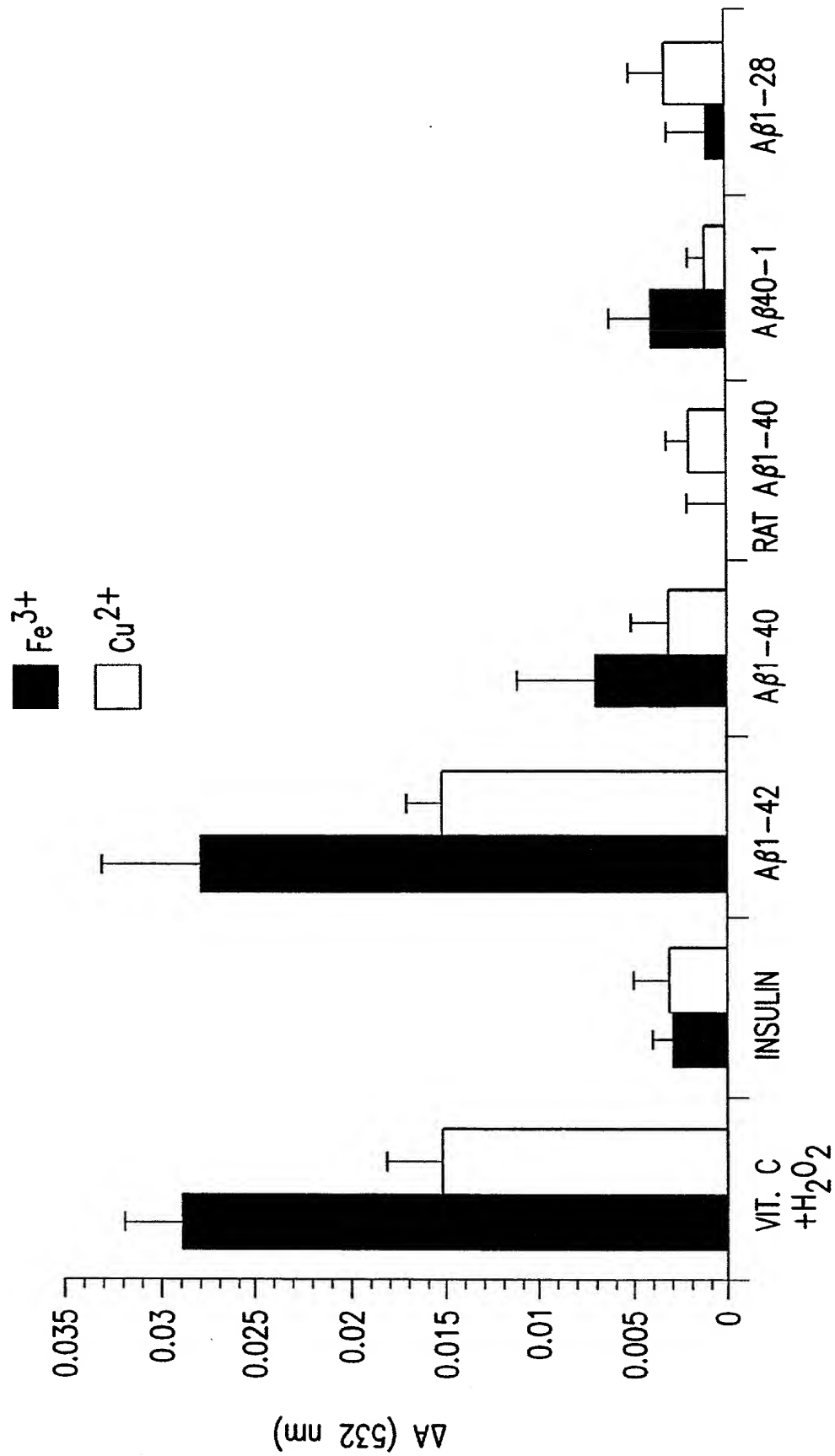


FIG. 16A

206070-0869560

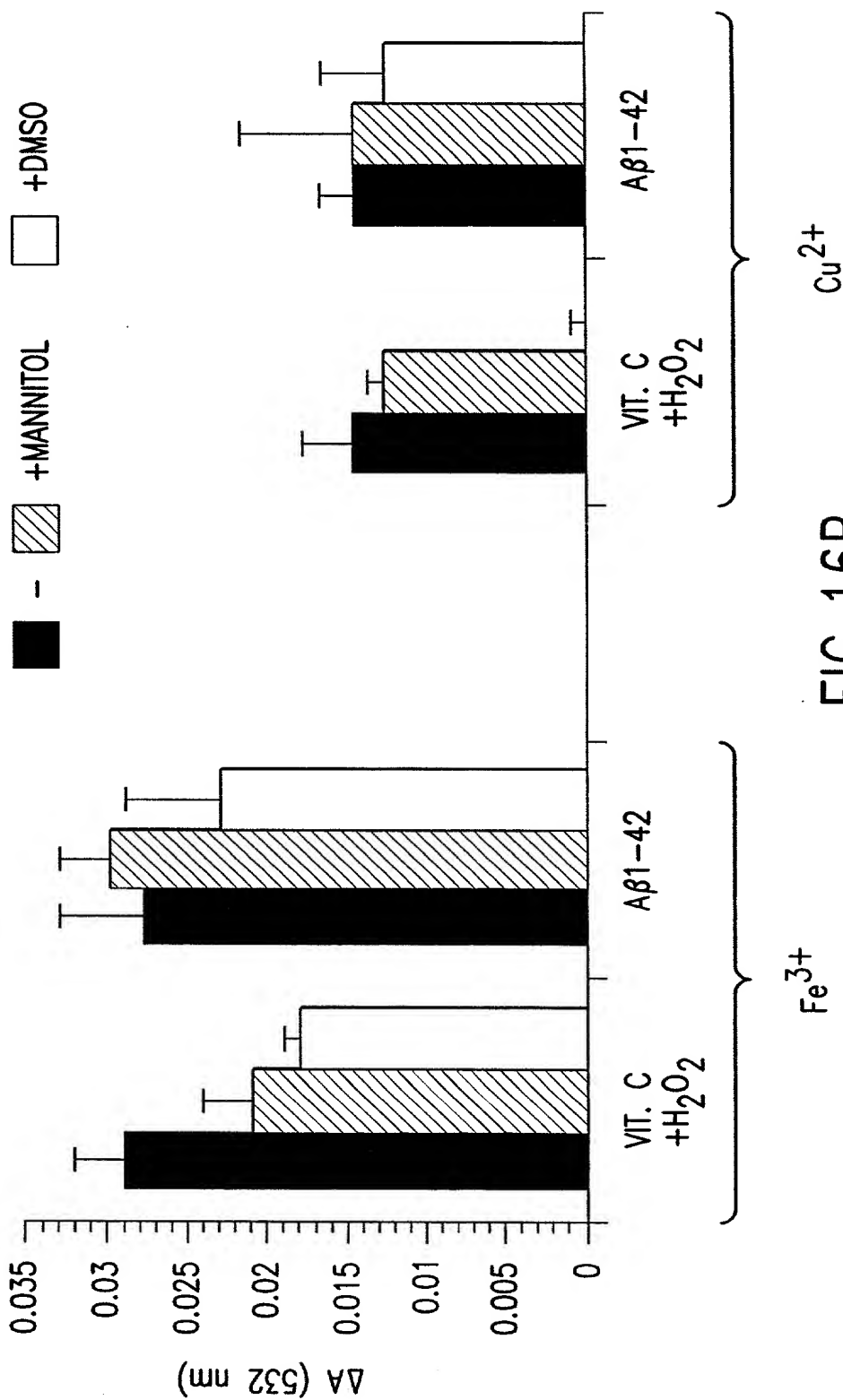


FIG. 16B

206070 0869560

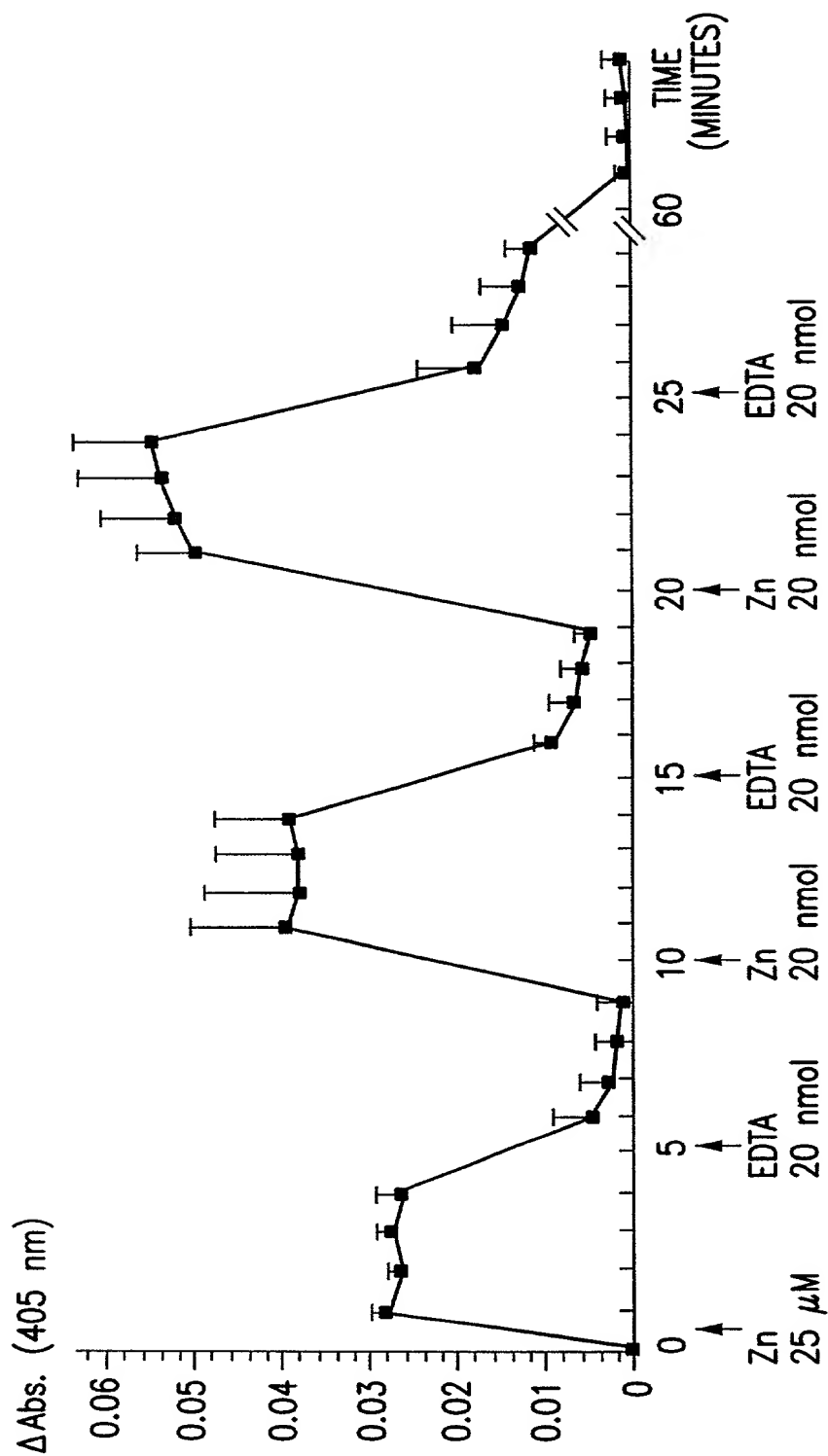


FIG.17

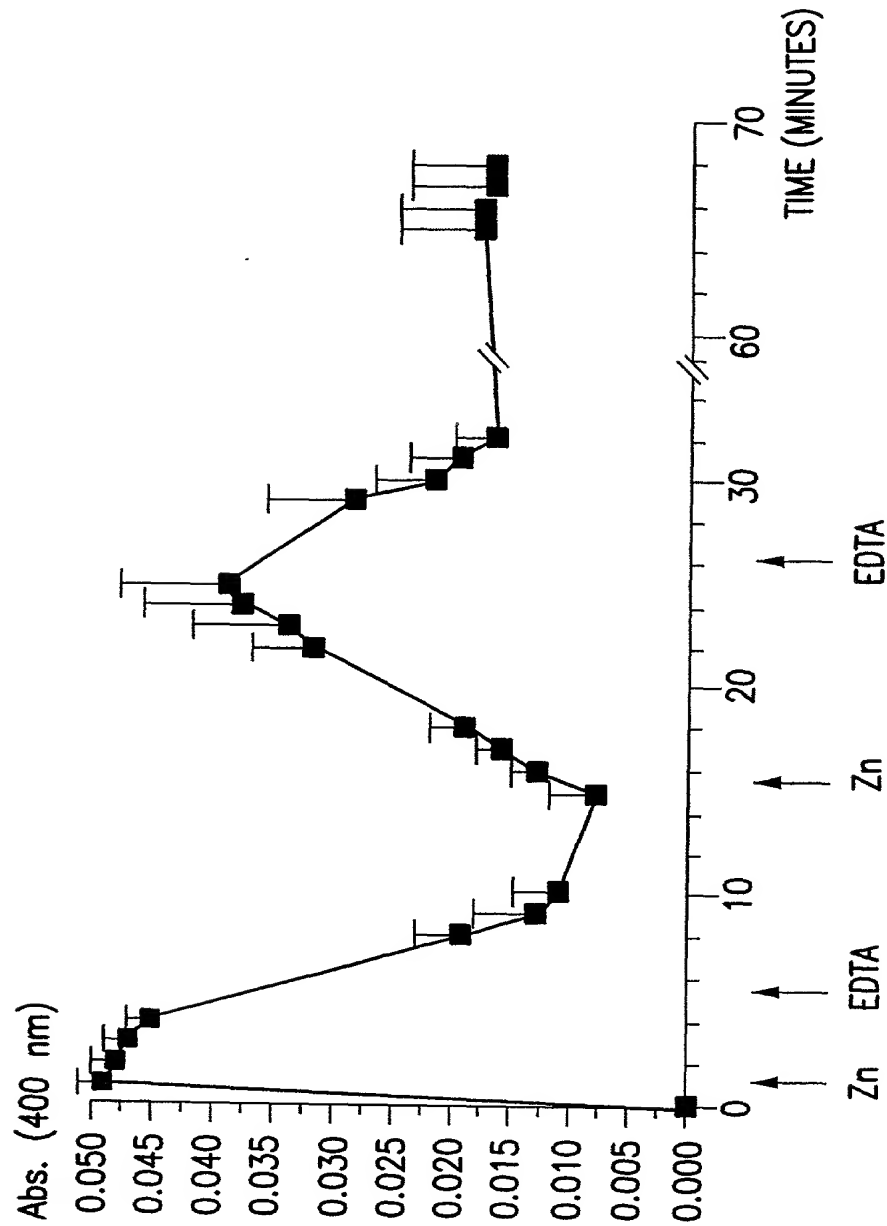


FIG.18

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

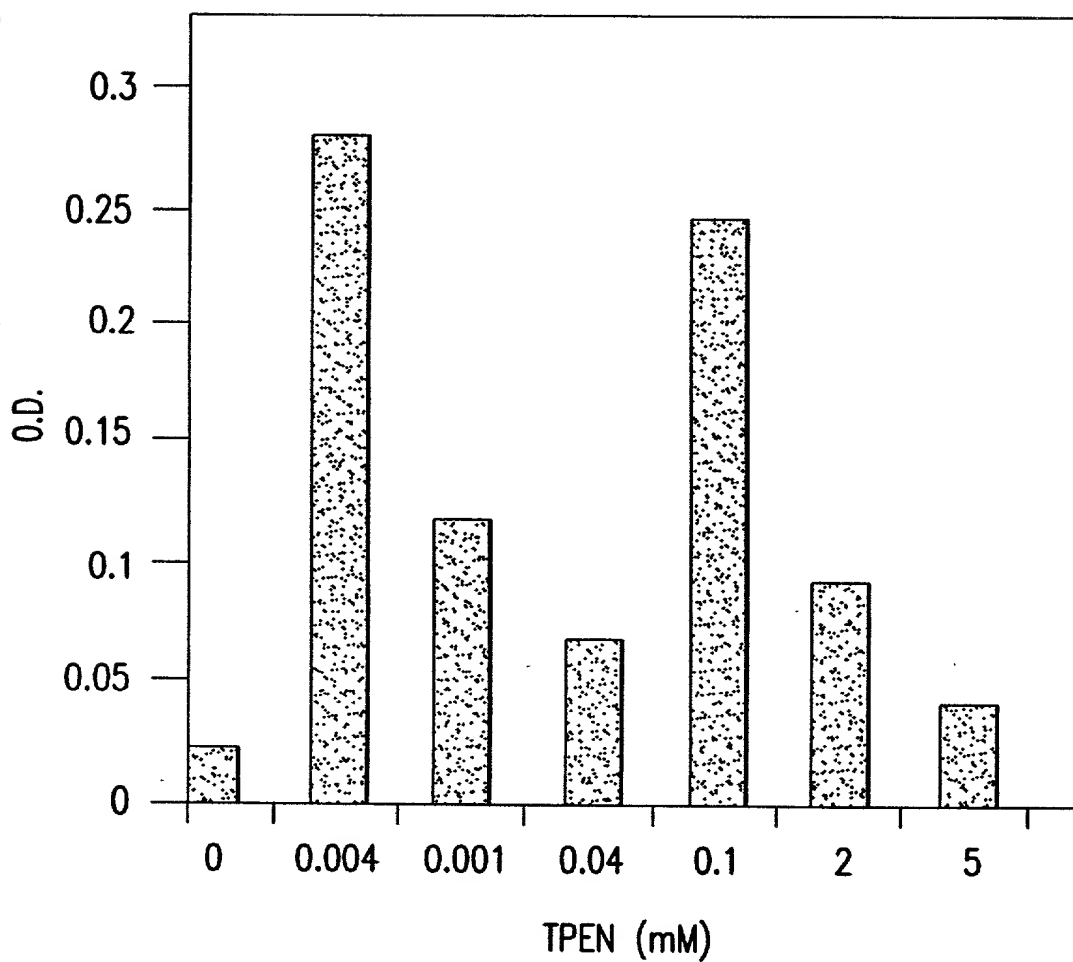
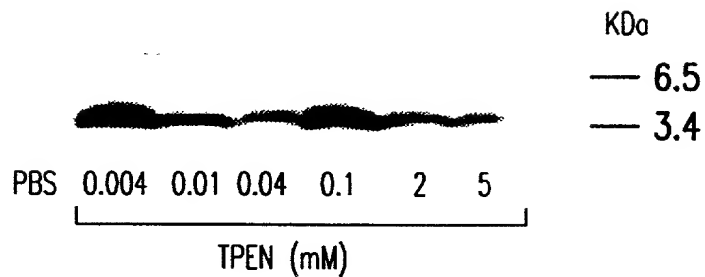


FIG.19A

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Diseases

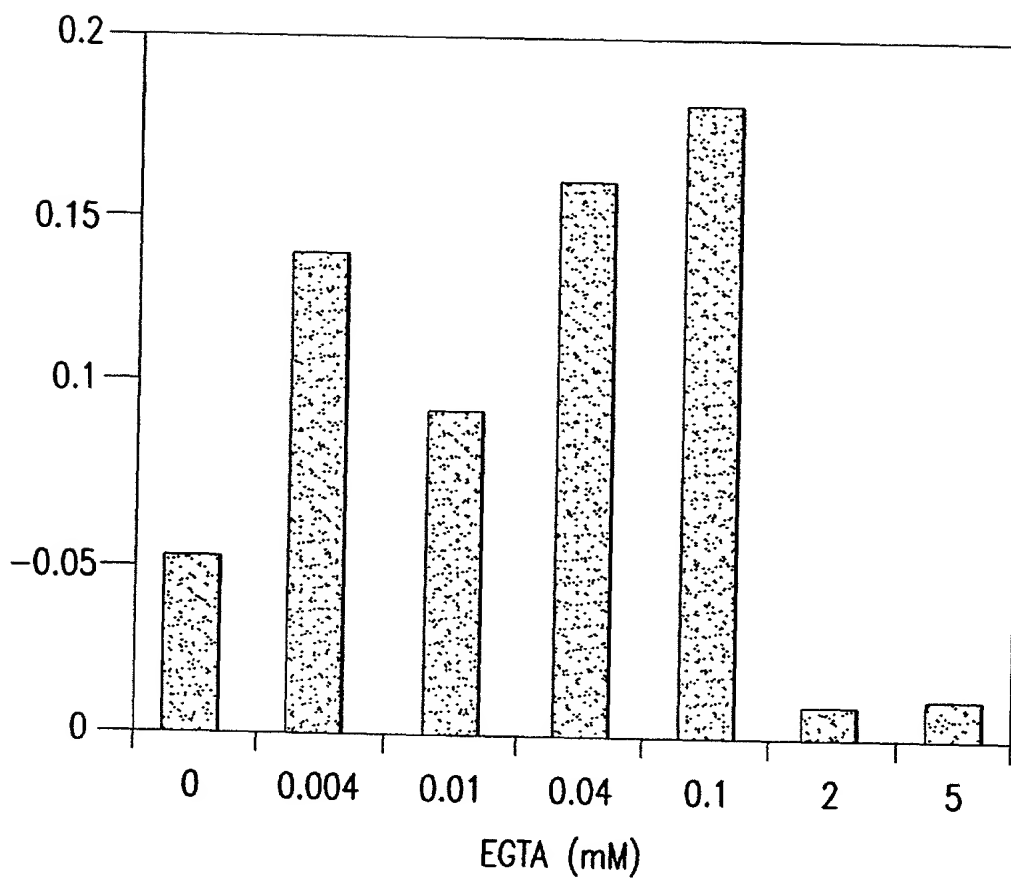
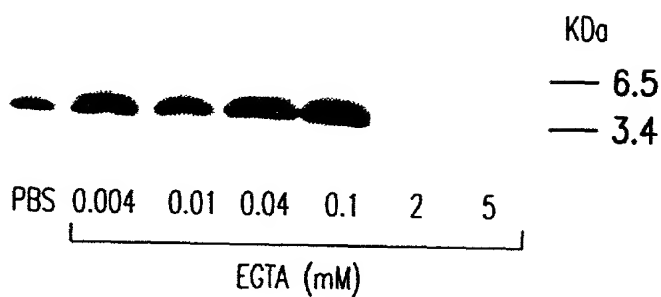


FIG.19B

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609,4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

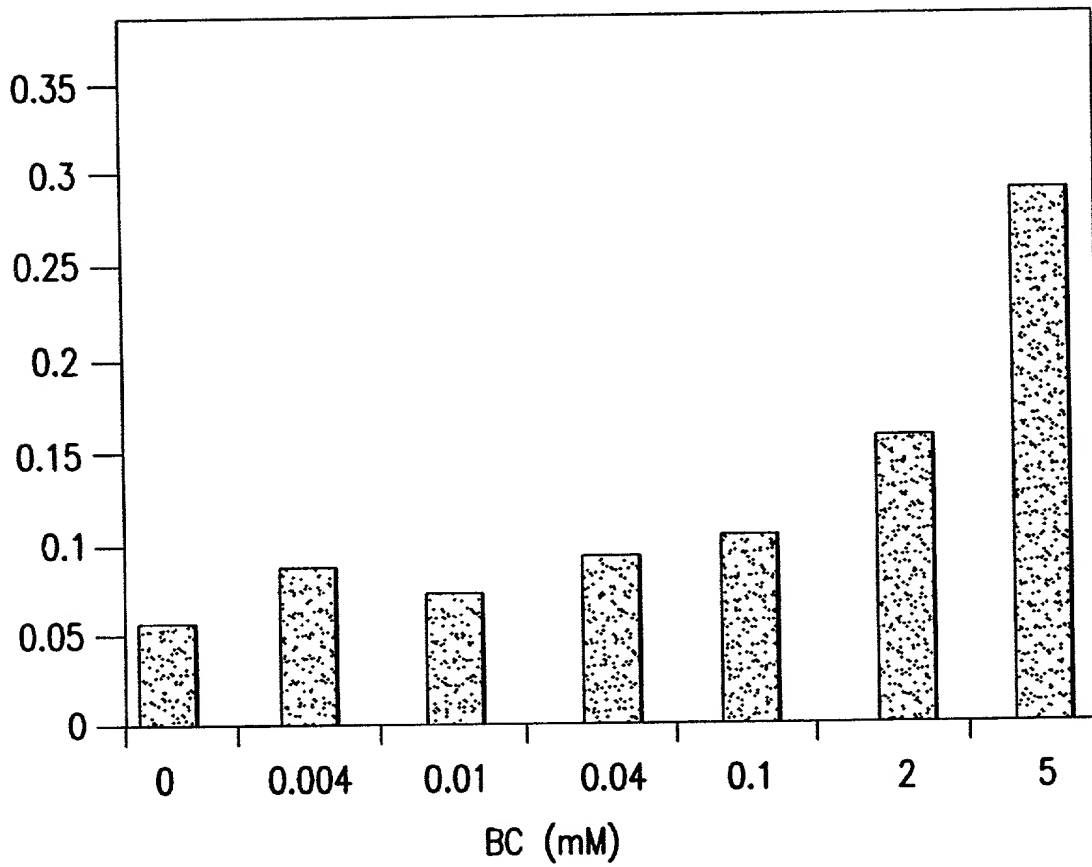
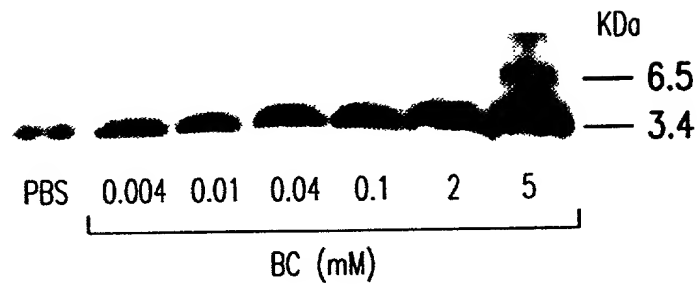


FIG.19C

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

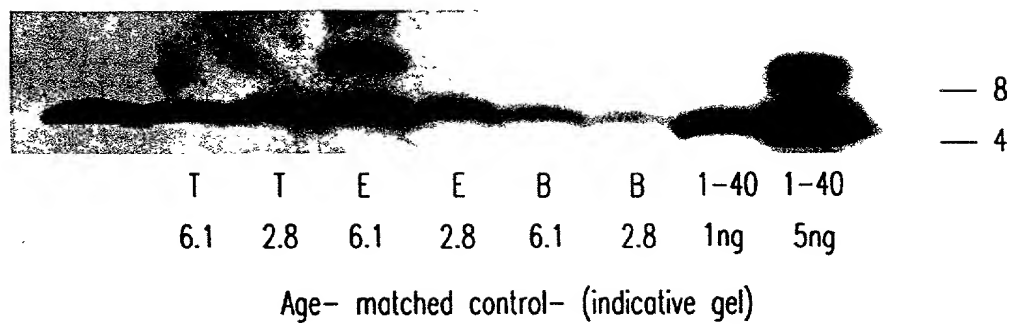
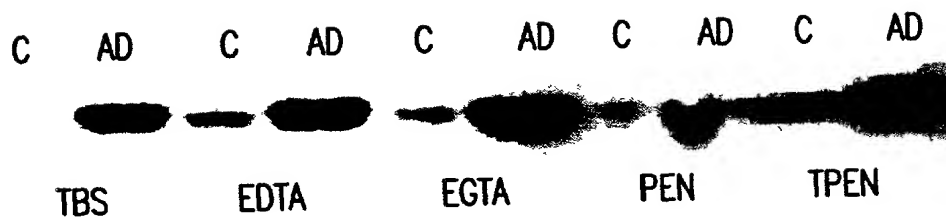


FIG.20A



Appl. No. 09/956,980; Group Art Unit: 1614  
Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
Inventor(s): Bush *et al.*; Tel: 202/371-2600  
Title: Agents for Use in the Treatment of Alzheimer's Diseases



Young control vs AD, various chelators 5mM

FIG.20B

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

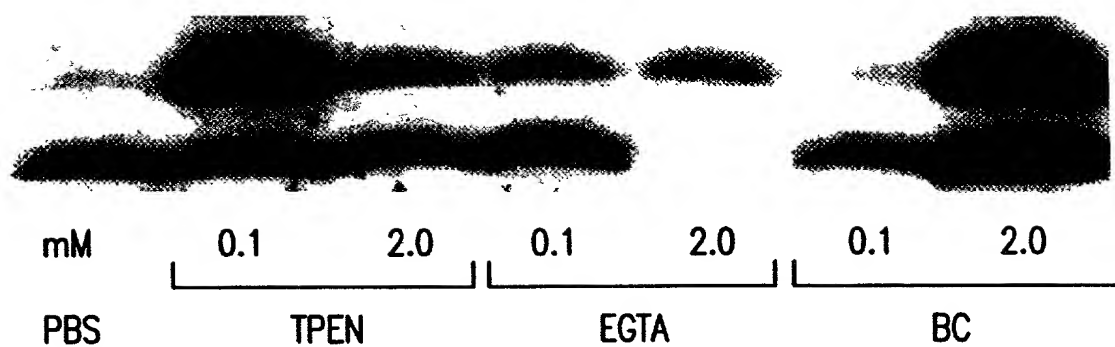


FIG.21

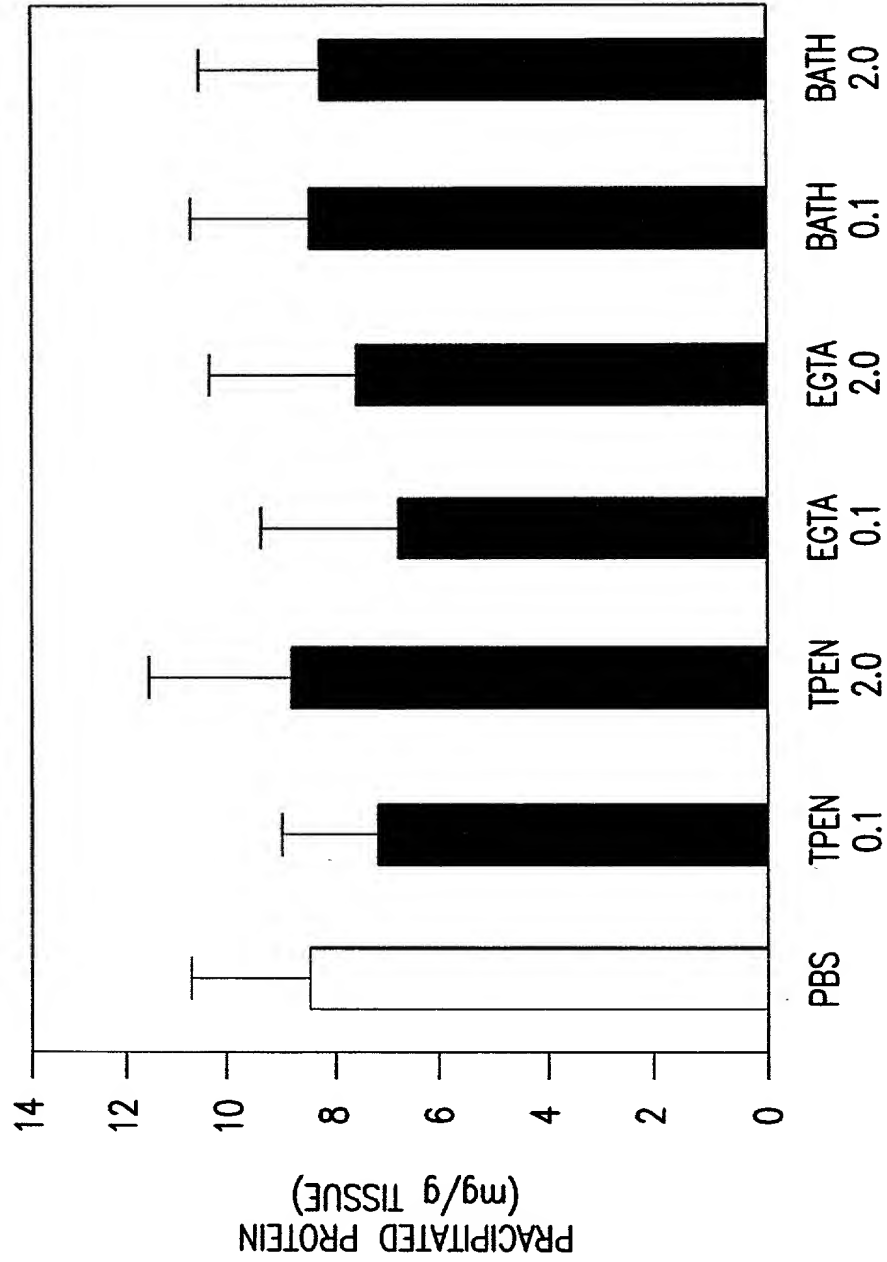


FIG.22

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Diseases

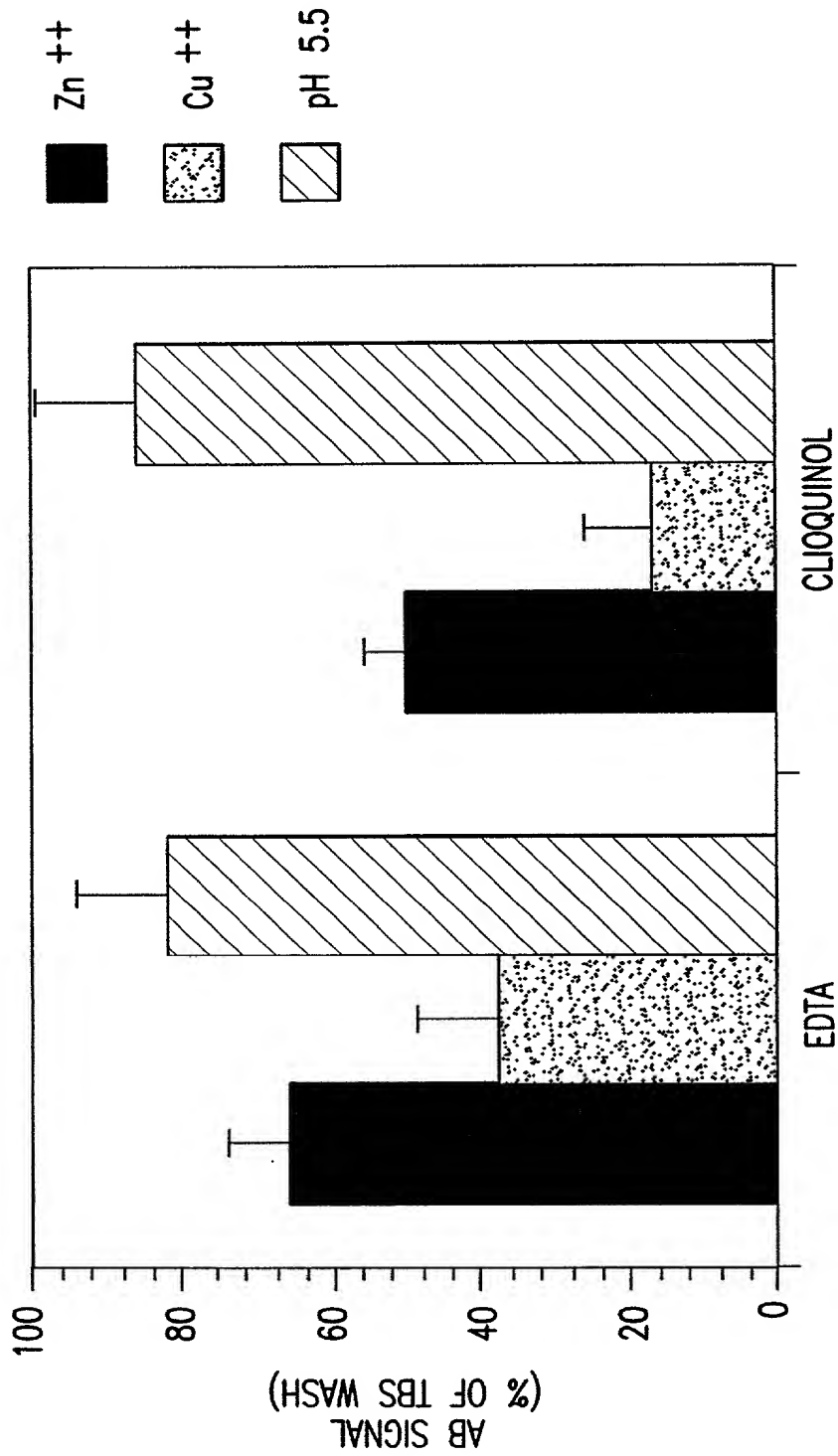


FIG.23

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al* ; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

Brain specimen #1



Brain specimen #2

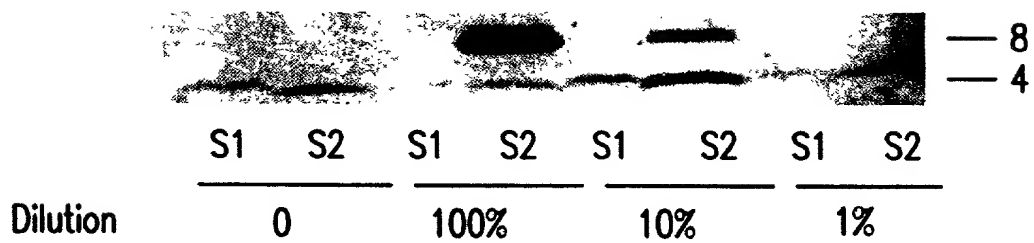


FIG.24

Appl. No. 09/956,980; Group Art Unit: 1614  
Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
Inventor(s): Bush *et al.*; Tel: 202/371-2600  
Title: Agents for Use in the Treatment of Alzheimer's Disease

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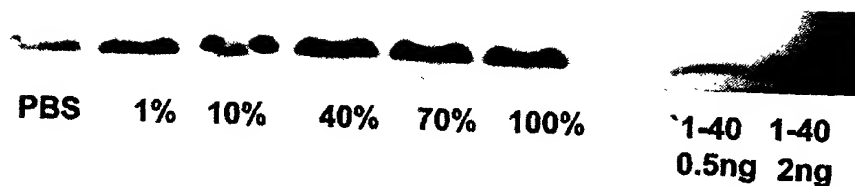


FIG.25A

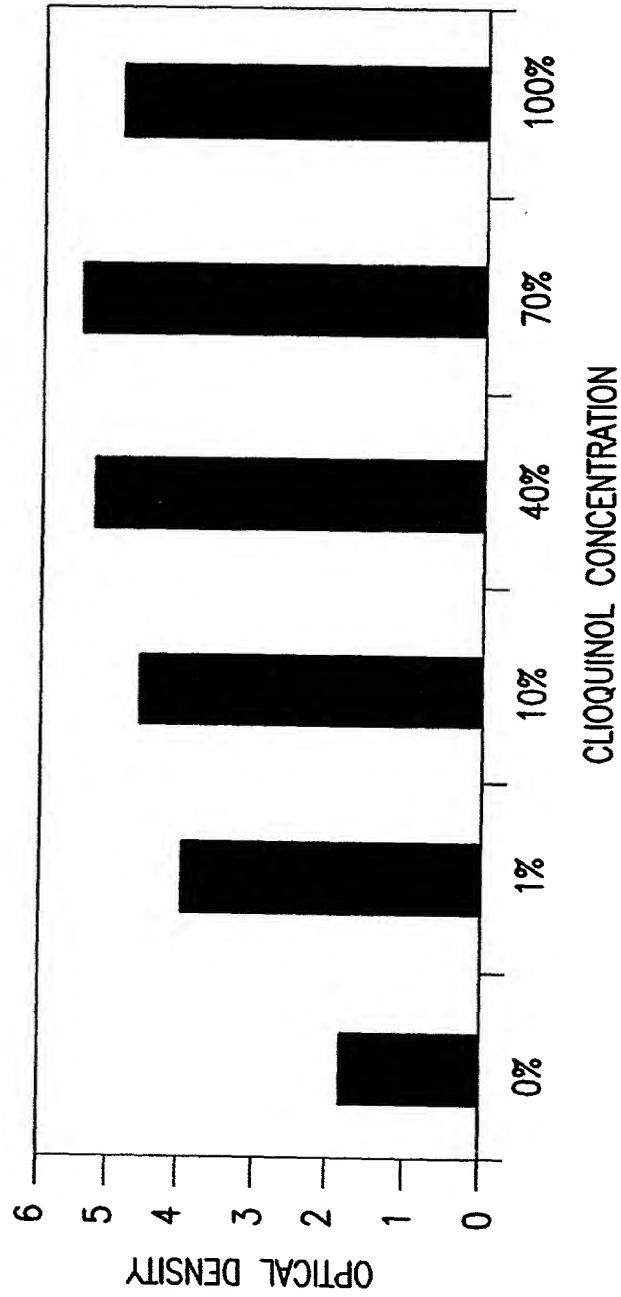


FIG.25B

0609.4550001-00000000

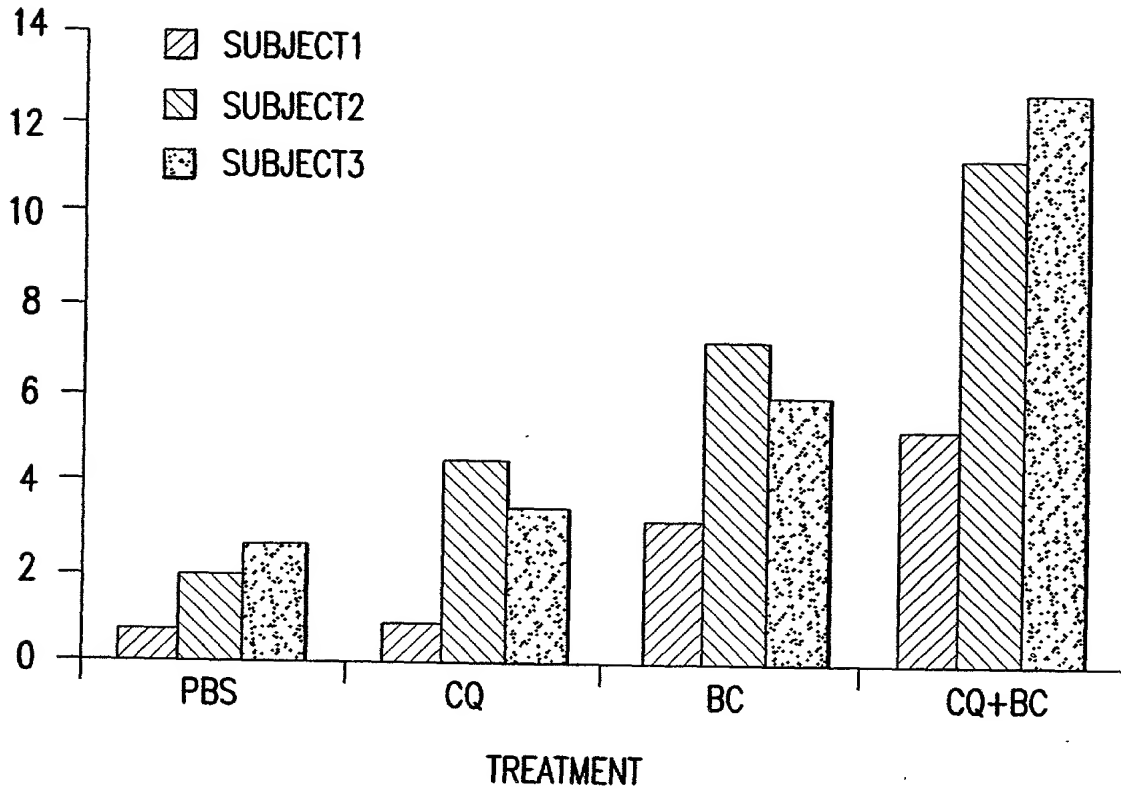


FIG.26



Appl. No. 09/956,980; Group Art Unit: 1614  
Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
Inventor(s): Bush *et al.*; Tel: 202/371-2600  
Title: Agents for Use in the Treatment of Alzheimer's Disease

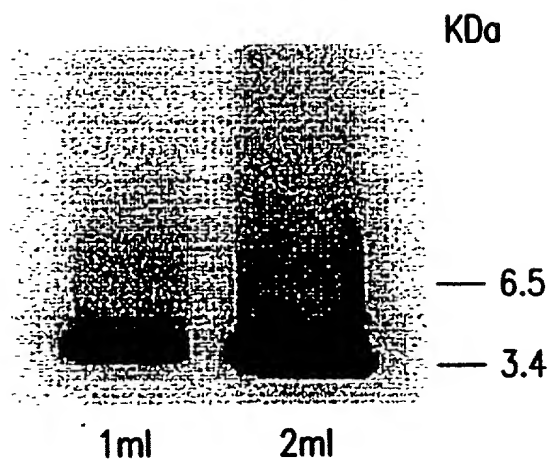


FIG.27

206070\* 08695660

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Diseases

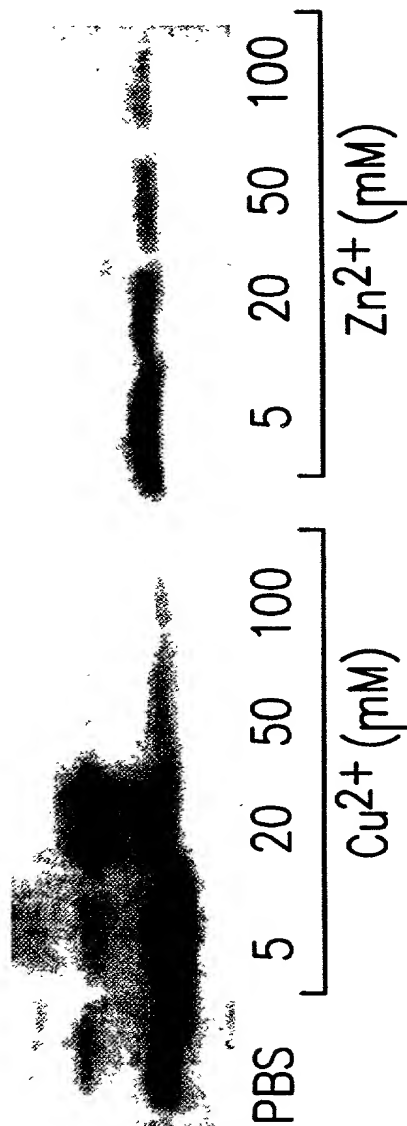


FIG.28A

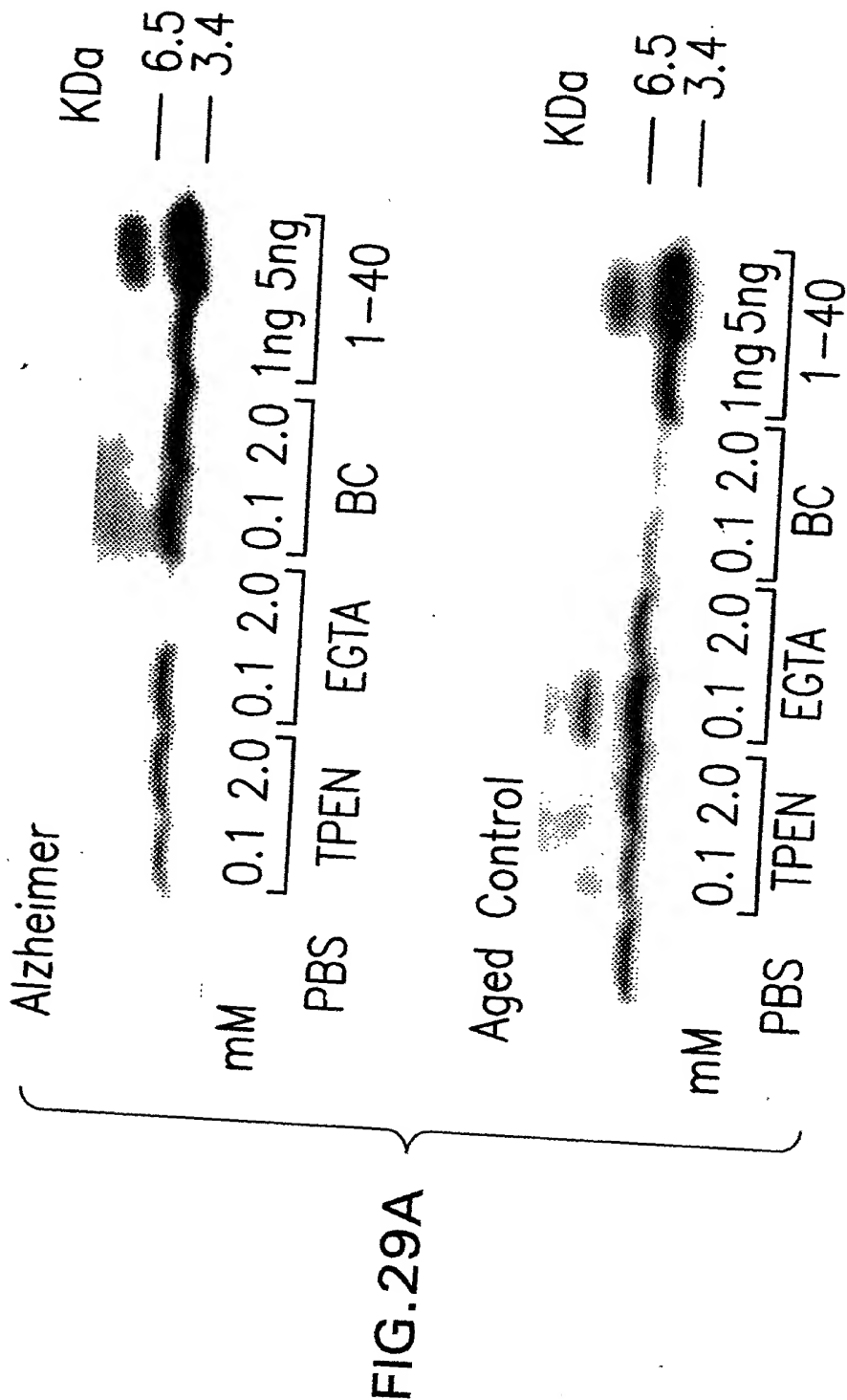
Appl. No. 09/956,980; Group Art Unit: 1614  
Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
Inventor(s): Bush *et al.*; Tel: 202/371-2600  
Title: Agents for Use in the Treatment of Alzheimer's Disease

206070-08695660



PBS    Mg<sup>2+</sup>    Ca<sup>2+</sup>

FIG.28B



206070-08695660

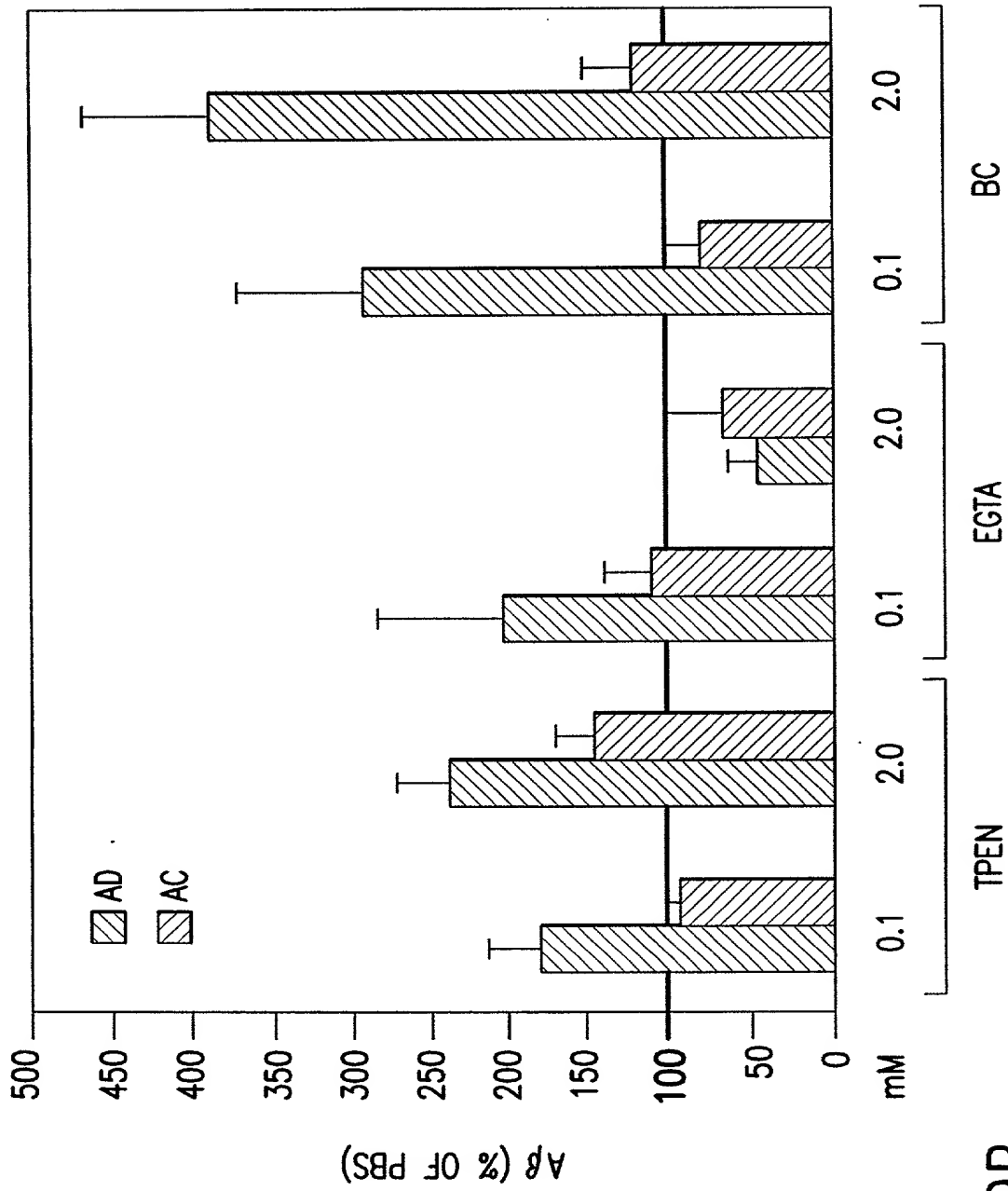


FIG.29B

2007010303695660

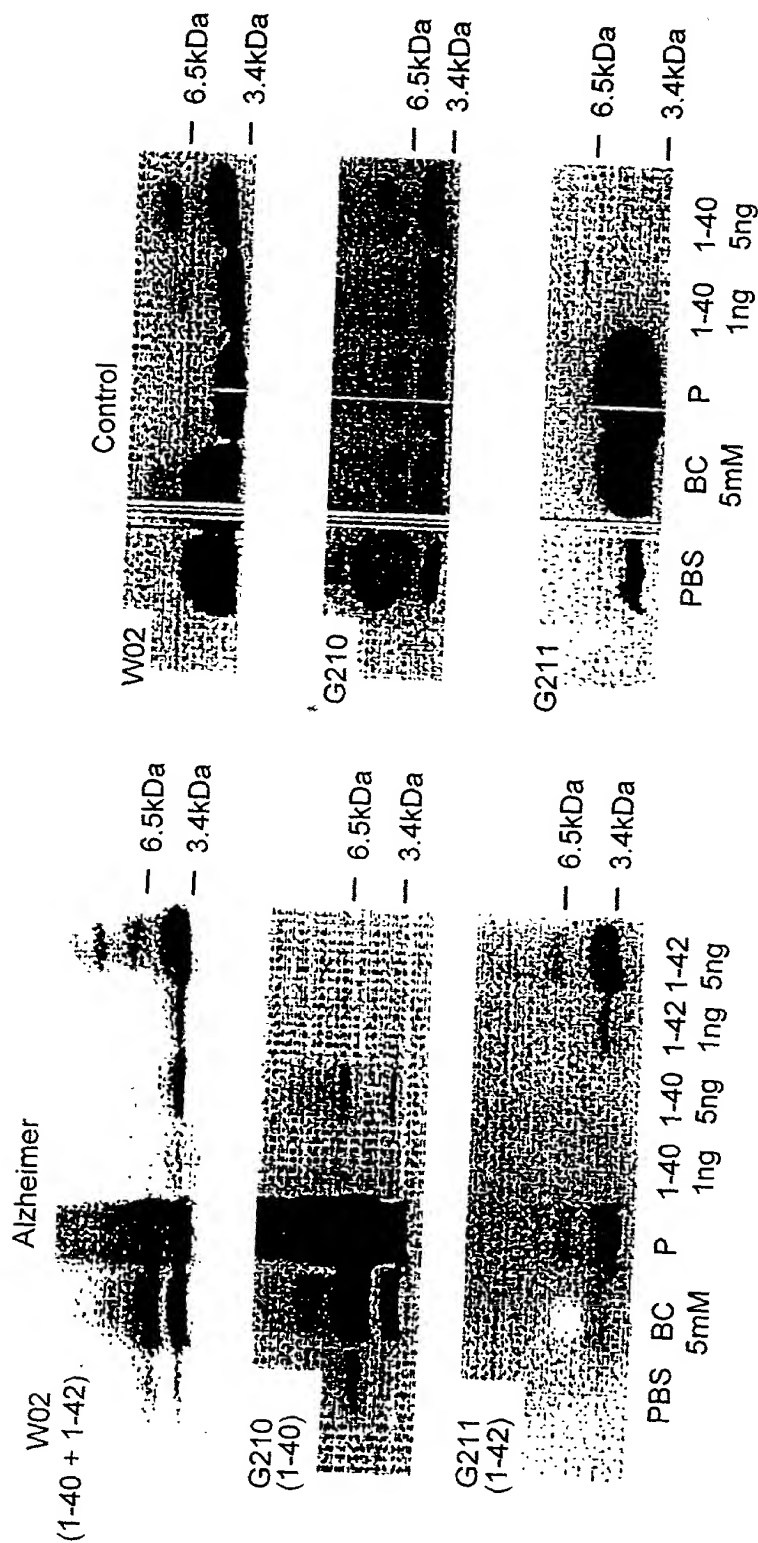
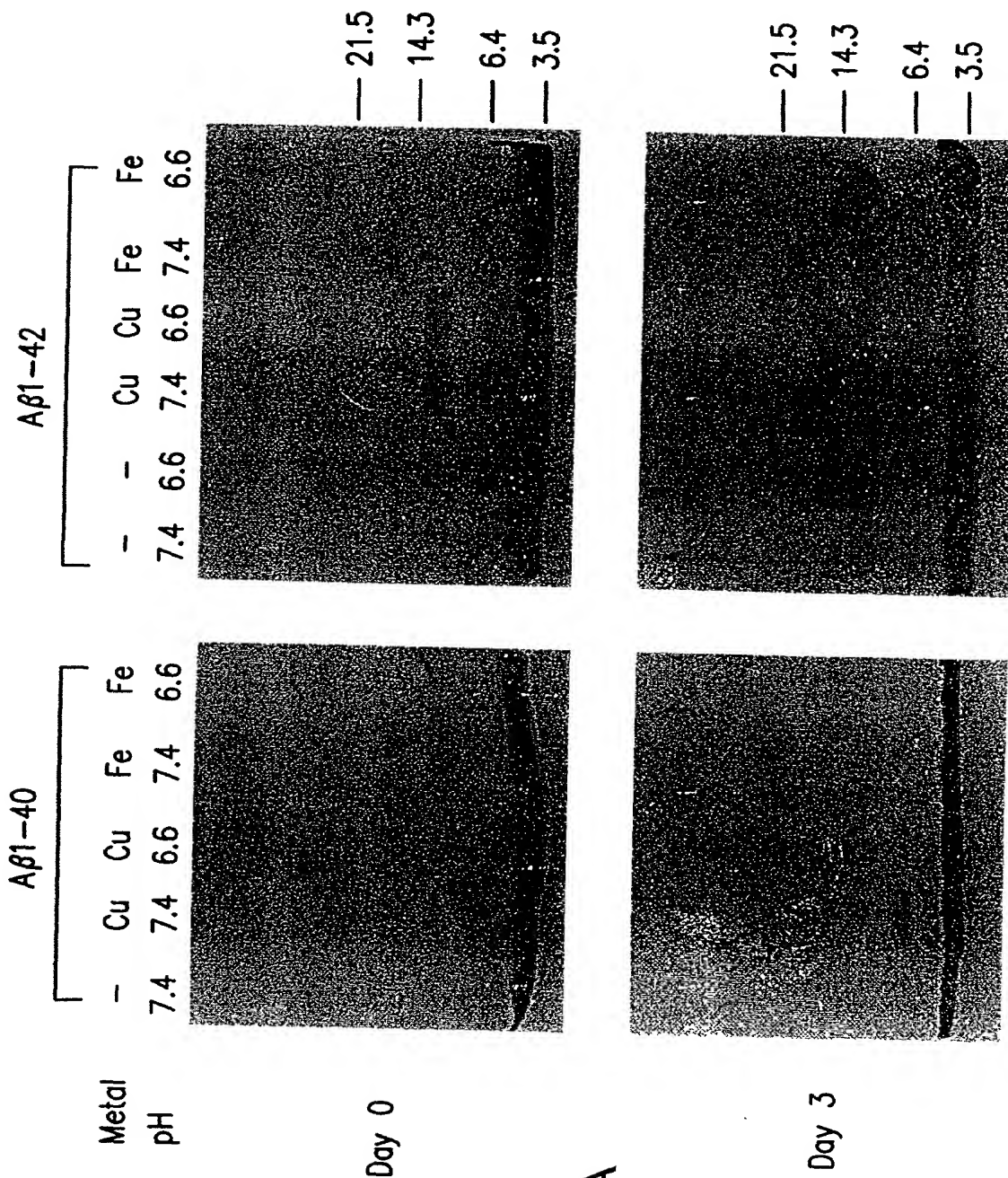


FIG.30

206070" 08695660



Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Diseases

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# Rat Aβ1-40

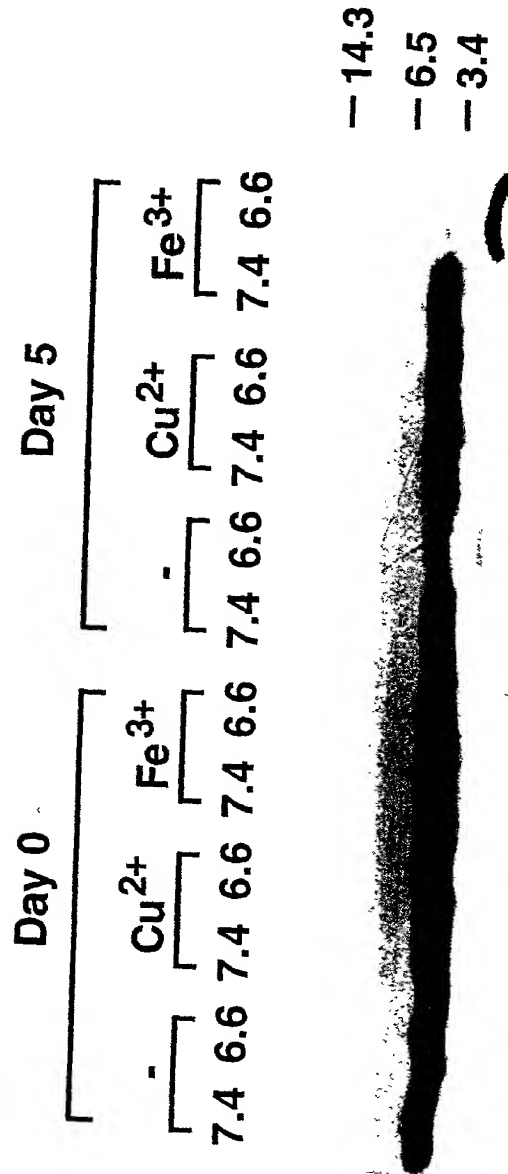


FIG.31B



Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

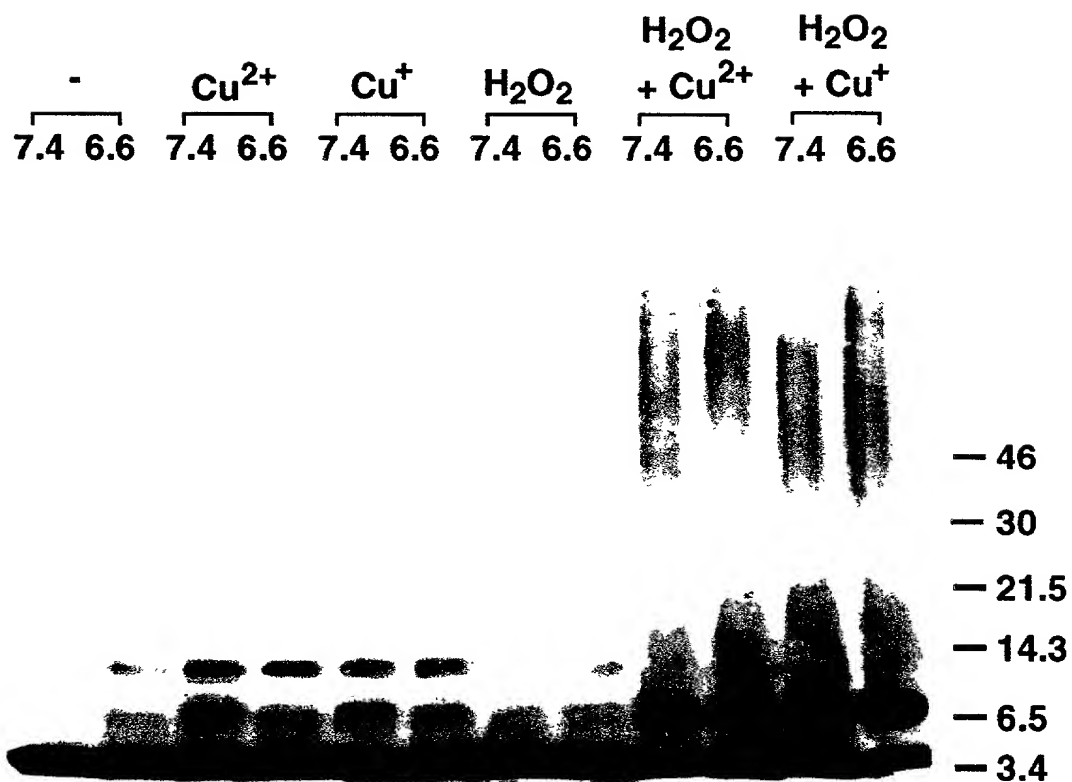


FIG.32A

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

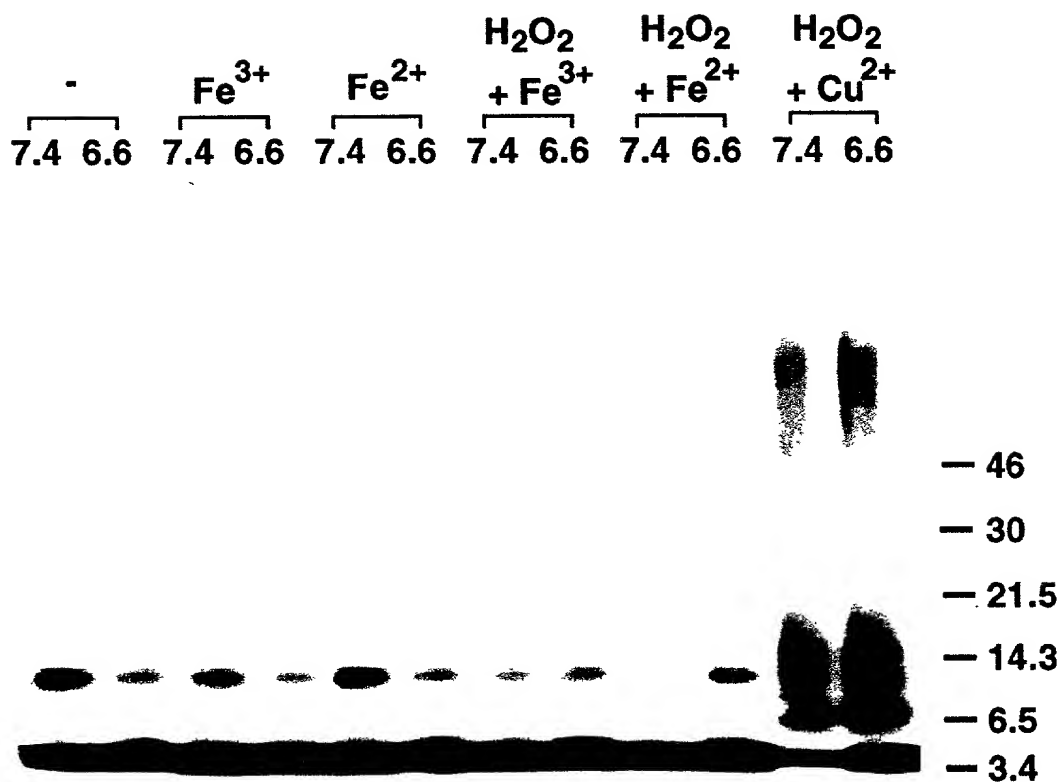


FIG.32B

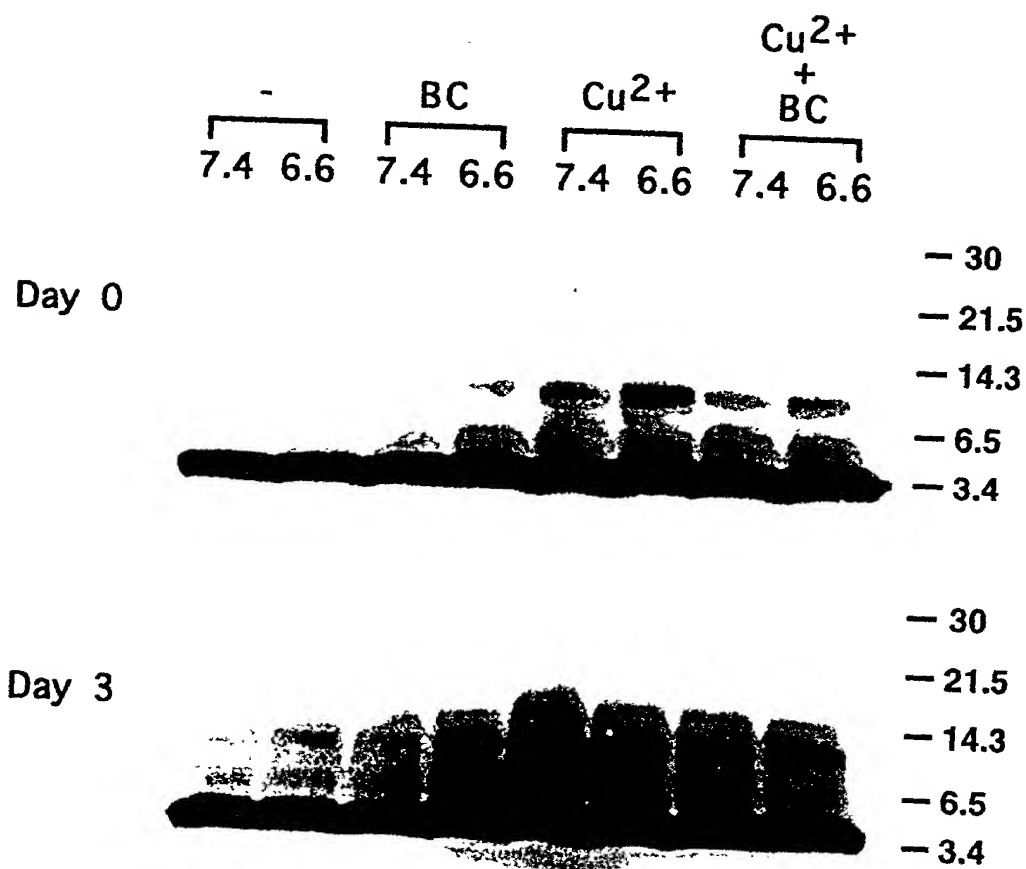


FIG.32C

Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s); Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Disease

-  $\text{Cu}^{2+}$   $\text{Fe}^{3+}$   $\text{H}_2\text{O}_2$   $\text{Fe}^{2+}$   
 $+ \text{Cu}^{2+}$   $\text{H}_2\text{O}_2 +$   $\text{Asc.}$   $\text{Cu}^{2+}$   
 acid TCEP TCEP

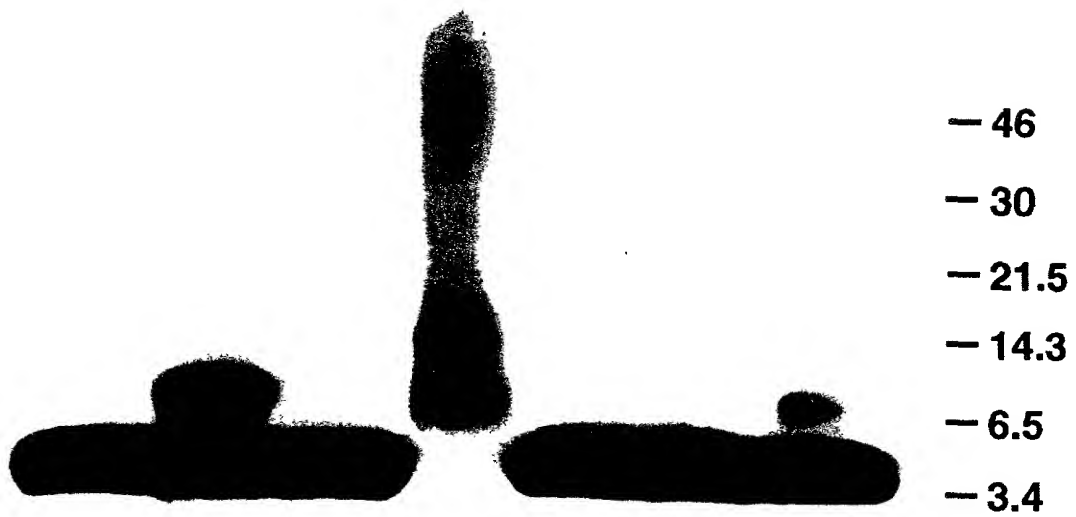


FIG.33A

206070-0869560

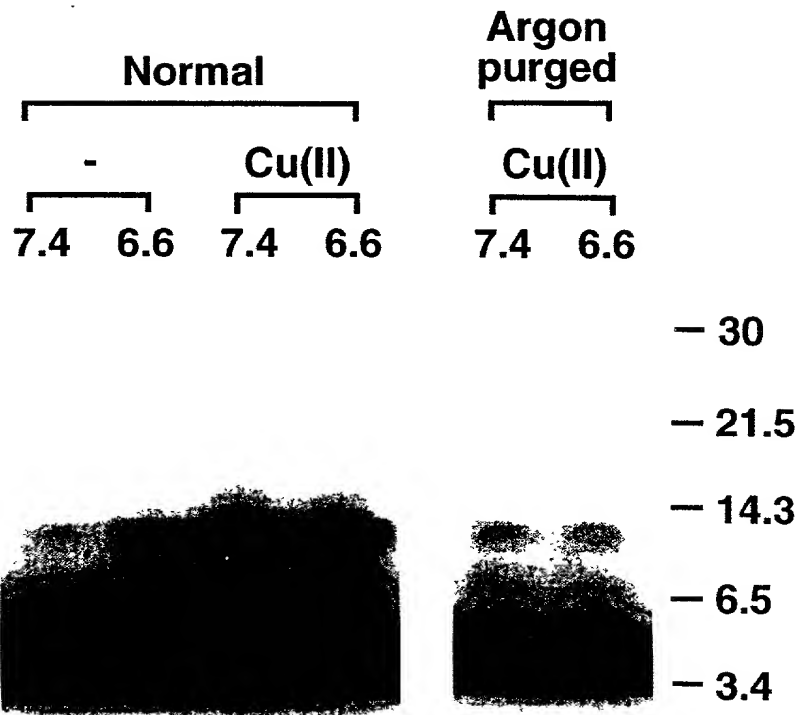
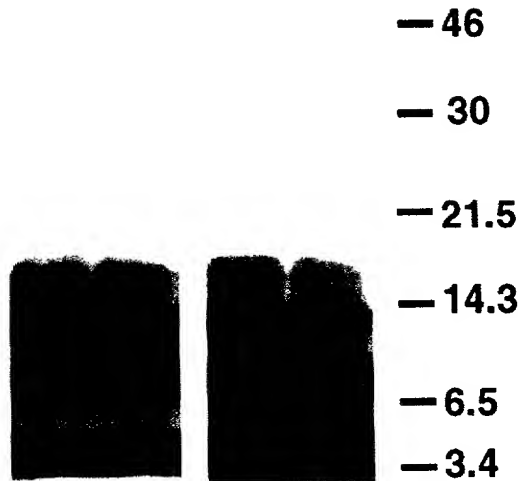
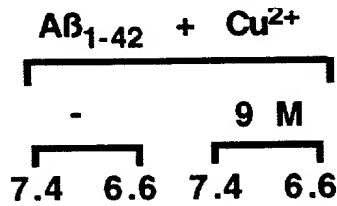


FIG.33B

0956980.10920

Polymerization  
 reaction

Urea



Polymerization  
 reaction

Urea

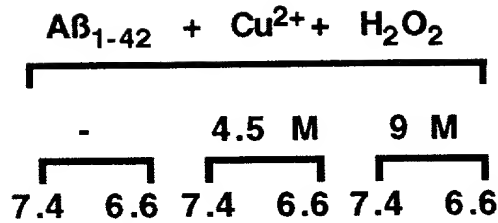


FIG.34A

206070-08695660

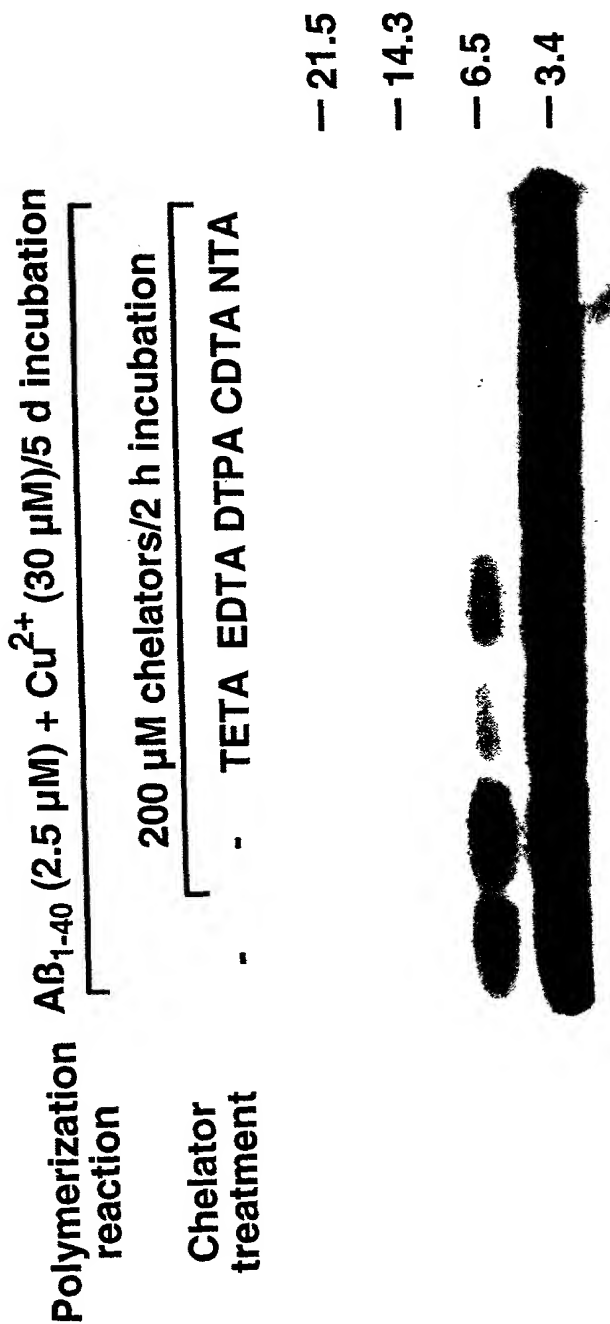


FIG.34B

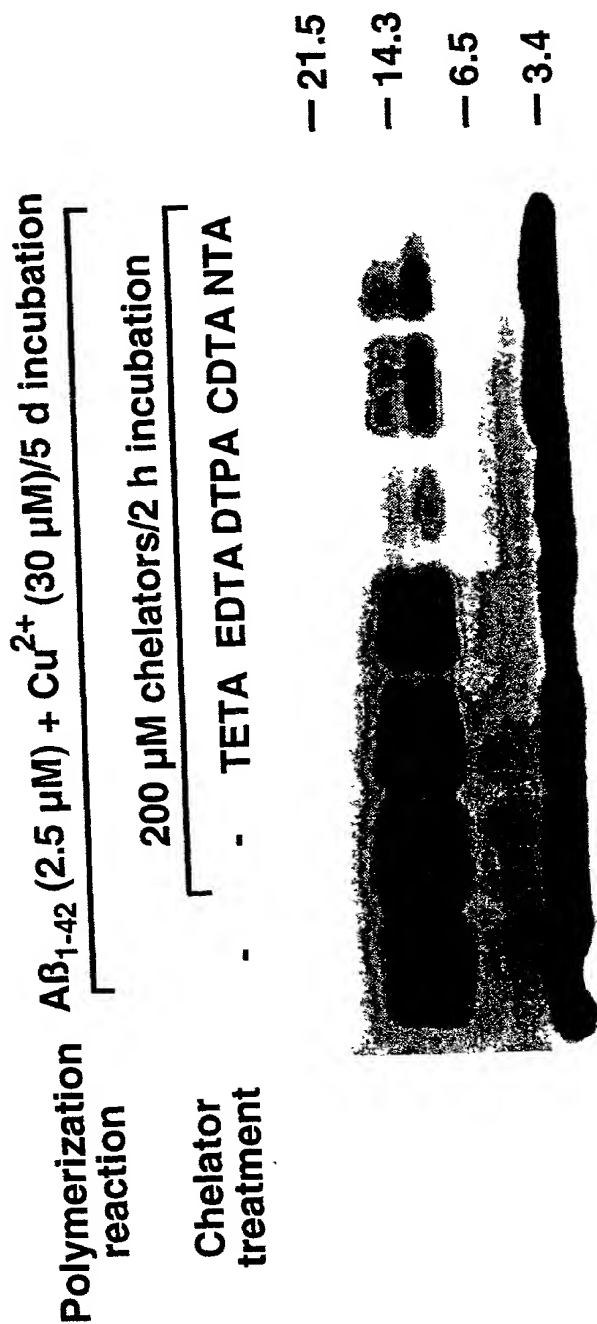


FIG.34C



Appl. No. 09/956,980; Group Art Unit: 1614  
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A  
 Inventor(s): Bush *et al.*; Tel: 202/371-2600  
 Title: Agents for Use in the Treatment of Alzheimer's Diseases

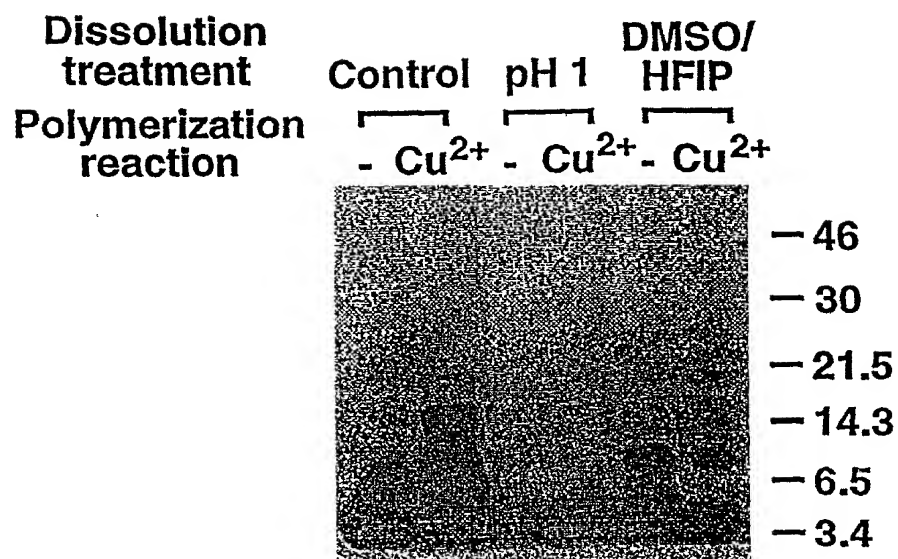
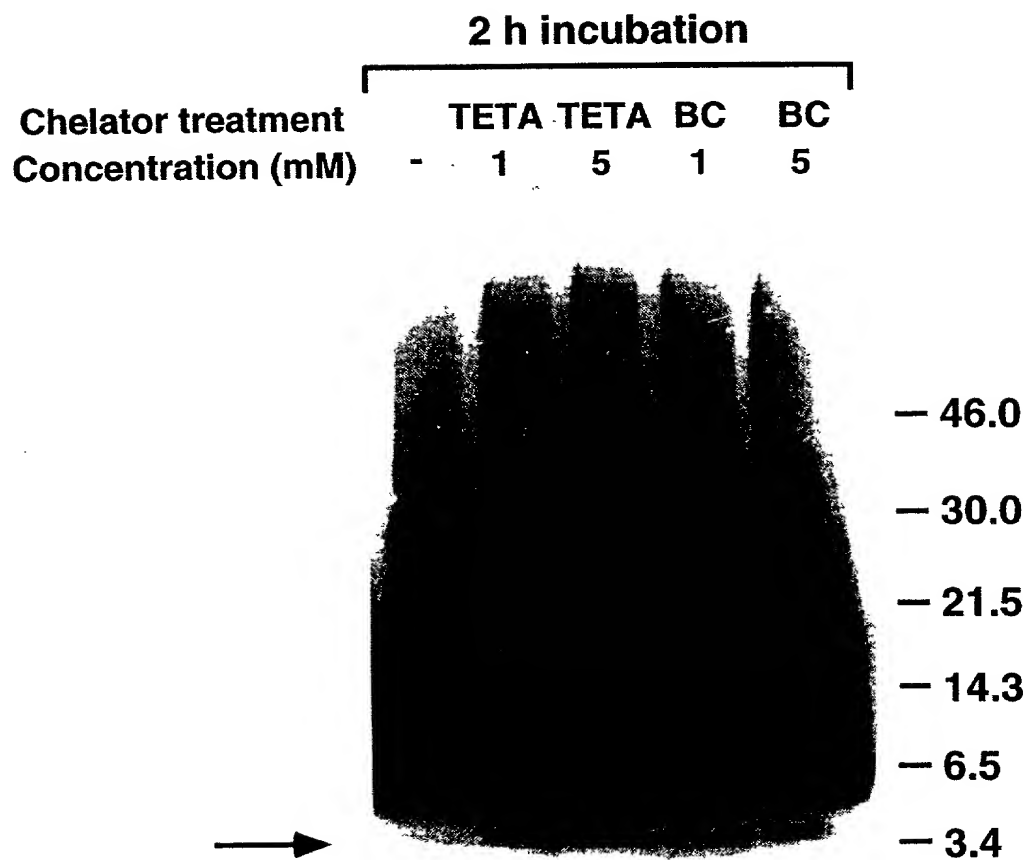


FIG.34D



**FIG.34E**

0956980-010902